



## Parts Manual

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### **RANSOMES** *Commander 3520 Ride On Reel Mower*

Serial No GC

Product codes: LGTT020



WARNING: If incorrectly used this machine can cause severe injury. Those who use and maintain this machine should be trained in its proper use, warned of its dangers and should read the entire manual before attempting to set up, operate, adjust or service the machine.



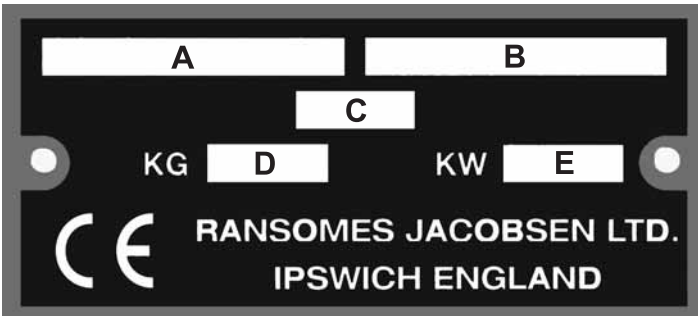
English



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INTRODUCTION

PRODUCT IDENTIFICATION



- A Machine Name
- B Serial Number
- C Year of Manufacture
- D Machine Weight
- E Engine Power

SPARES STOCKING GUIDE

To keep your equipment fully operational and productive, Ransomes suggests you maintain a stock of the more commonly used maintenance items. We have included part numbers for the additional support materials and training aids.

| SERVICE SUPPORT MATERIAL |                         |           |  |
|--------------------------|-------------------------|-----------|--|
| Part No.                 | Description             | Part No.  | Description  |
| 97898-040000             | Engine Parts Manual     | 24347G-GB | Machine Safety, Operation & Maintenance Manual<br>(Suffix GB replaced by FR, NL, DE, IT, DK, SE, ES dependant on language required.) |
| 16641-8916-6             | Engine Operators Manual |           |  |
|                          | Engine Service Manual   |           |  |
|                          |                         |           |  |

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## HOW TO USE THE PARTS MANUAL

### ITEM NUMBER

Each part which is identified in the illustrations has an item number. Parts which do not have an item number may not be readily identified in the illustration but are usually closely associated with the immediately adjacent part.

### ASSEMBLIES

A complete assembly, e.g. a wheel motor or hydraulic motor or roll assembly, is listed as a complete item with subsequent individual components listed separately.

The assembly is listed under its part number with component parts being listed offset to the right, e.g:-

| ITEM   | PART NO.  | DESCRIPTION                 | QTY | REMARKS |
|--------|-----------|-----------------------------|-----|---------|
| 4295   | MBG2504   | Bracket                     | 1   |         |
| 4296   | MBG3848   | Latch                       | 2   |         |
| 4298   | 450865    | Screw, M8 X 20, Sckt Csk Hd | 2   |         |
| 4300   | 450378    | Nut, M8 Nyloc               | 2   |         |
| 4301   | WI001     | Set Of Wheels               | 1   |         |
| 4301.1 | 008162130 | • Wheel & Hub Assy          | 1   | (Rear)  |
| 4301.2 | 008170390 | •• Tyre                     | 1   |         |
| 4301.3 | 008161830 | •• Rim                      | 1   |         |
| 4301.4 | 008169140 | •• Hub Assy.                | 1   |         |
| 4301.5 | 008169150 | •• Cap                      | 1   |         |
| 4301.6 | 002993010 | •• Lubricator               | 1   |         |
| 4301.7 | 008161990 | • Wheel & Tyre              | 2   | (Front) |
| 4301.8 | 008170780 | •• Tyre                     | 2   |         |

It may not be possible to illustrate every item. With certain items purchased from outside suppliers some component parts may not be available from Ransomes and may need to be specially ordered from the supplier.

### QUANTITIES

Quantities shown are for one assembly or sub-assembly.

### USING THE PARTS LIST

Determine the function and application of the part required. Turn to the main index page and select the appropriate section. Locate the part on the illustration and parts list and read off the quantity from the appropriate MODEL column.

### NUMERICAL INDEX

This is a summary of all part numbers used in the manual arranged in numerical sequence and showing the page and item number under which the parts appear.

### ORDERING OF SPARE PARTS

When ordering replacement parts, it is most important to quote the SERIAL NUMBER of the machine, PART NUMBER, DESCRIPTION and QUANTITY required.

Any arbitrary modifications carried out on this machine may relieve the manufacturer of liability for any resulting damage or injury.

### ABBREVIATIONS

N/A Not Available

ARAs Required

## GUIDELINES FOR THE DISPOSAL OF SCRAP PRODUCTS

### DURING SERVICE LIFE

Used oil, oil filters and engine coolant are hazardous materials and should be handled in a safe and environmentally responsible way.

In the event of a fluid leak, contain the spill to prevent it entering the ground or drainage system. Local legislation will dictate how such spills are to be treated.

Following the maintenance procedures laid out in this manual will ensure that the impact the machine has on the local environment is controlled.

When it has been identified that a turf care product has no further functional value and requires disposal, the following actions should be taken.

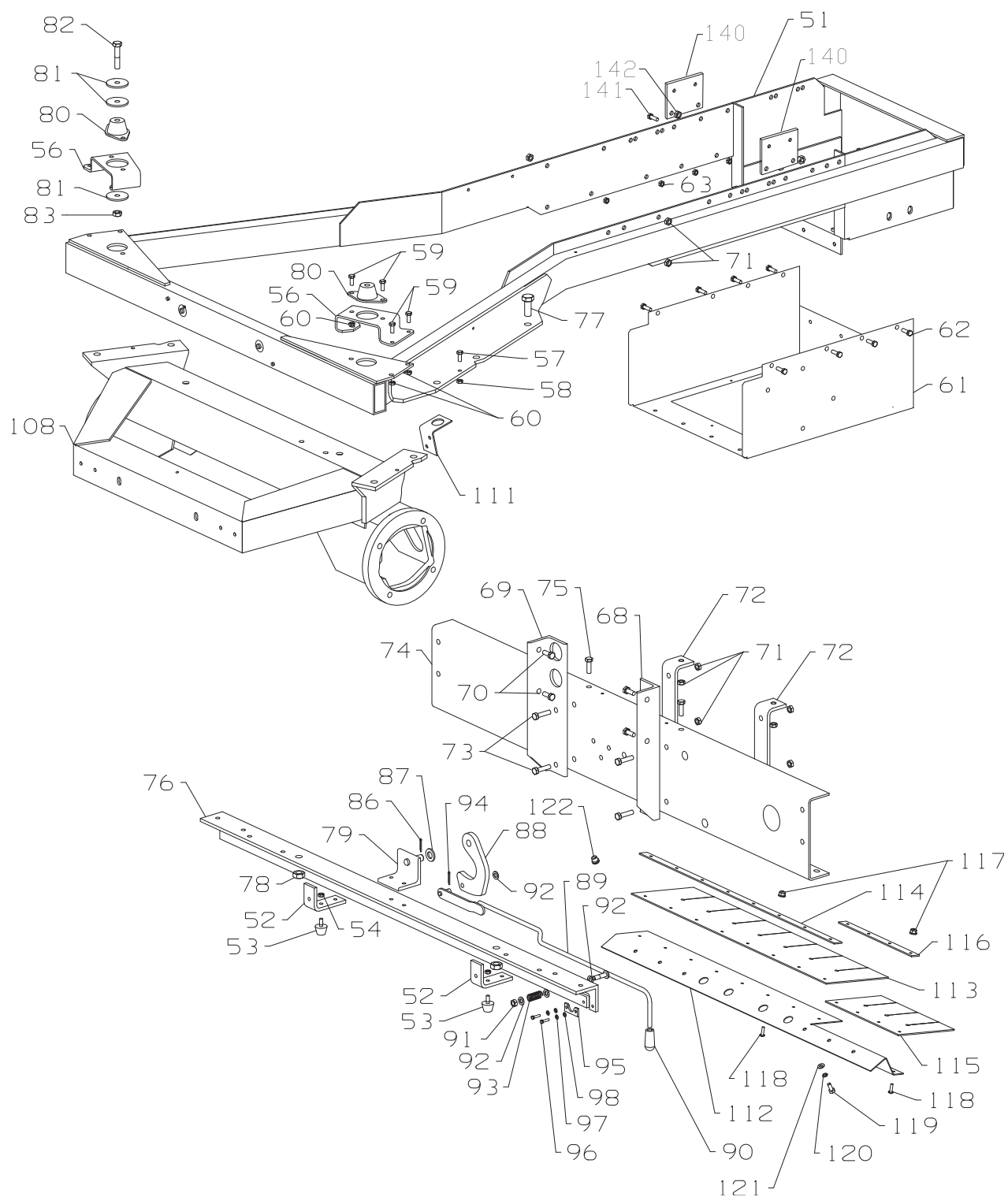
### END OF SERVICE LIFE

These guidelines should be used in conjunction with applicable Health, Safety and Environmental legislation and use of approved local facilities for waste disposal and recycling.

- Position the machine in a suitable location for any necessary lifting equipment to be used.
- Use appropriate tools and Personal Protective Equipment (PPE) and take guidance from the technical manuals applicable to the machine.
- Remove and store appropriately:
  1. Batteries
  2. Fuel residue
  3. Engine coolant
  4. Oils
- Disassemble the structure of the machine referring to the technical manuals where appropriate. Special attention should be made for dealing with 'stored energy' within pressurised elements of the machine or tensioned springs.
- Any items that still have a useful service life as second hand components or can be re-serviced should be separated and returned to the relevant centre.
- Other worn out items should be separated into material groups for recycling and disposal consistent with available facilities. More common separation types are as follows:
  - Steel
  - Non ferrous metals
    - Aluminium
    - Brass
    - Copper
  - Plastics
    - Identifiable
    - Recyclable
    - Non recyclable
    - Not identified
  - Rubber
  - Electrical & Electronic Components
- Items that cannot be separated economically into different material groups should be added to the 'General waste' area.
- Do not incinerate waste.

Finally update machinery records to indicate that the machine has been taken out of service and scrapped. Provide this serial number to Ransomes Jacobsen Warranty department to close off relevant records.

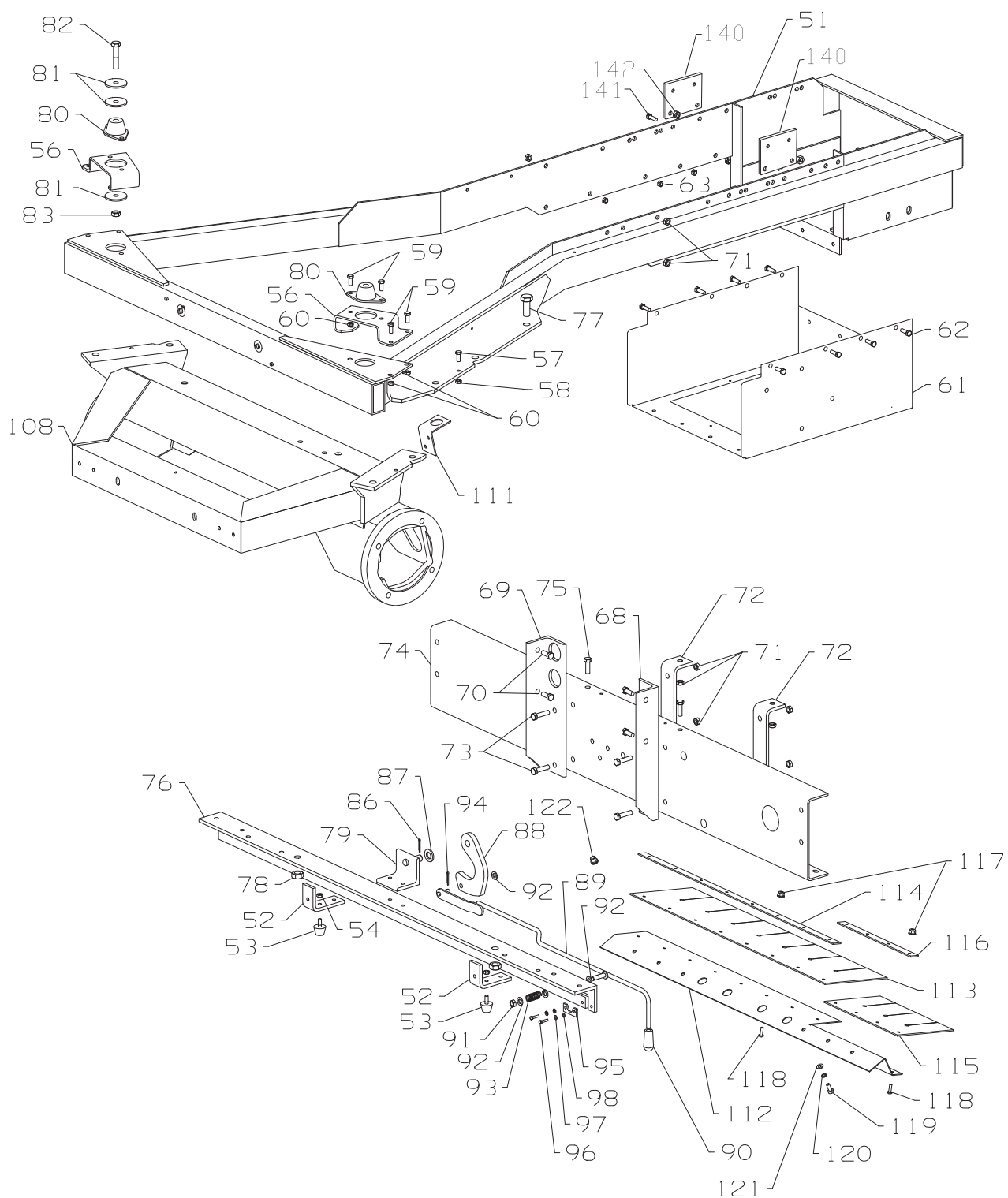
## MAIN FRAME





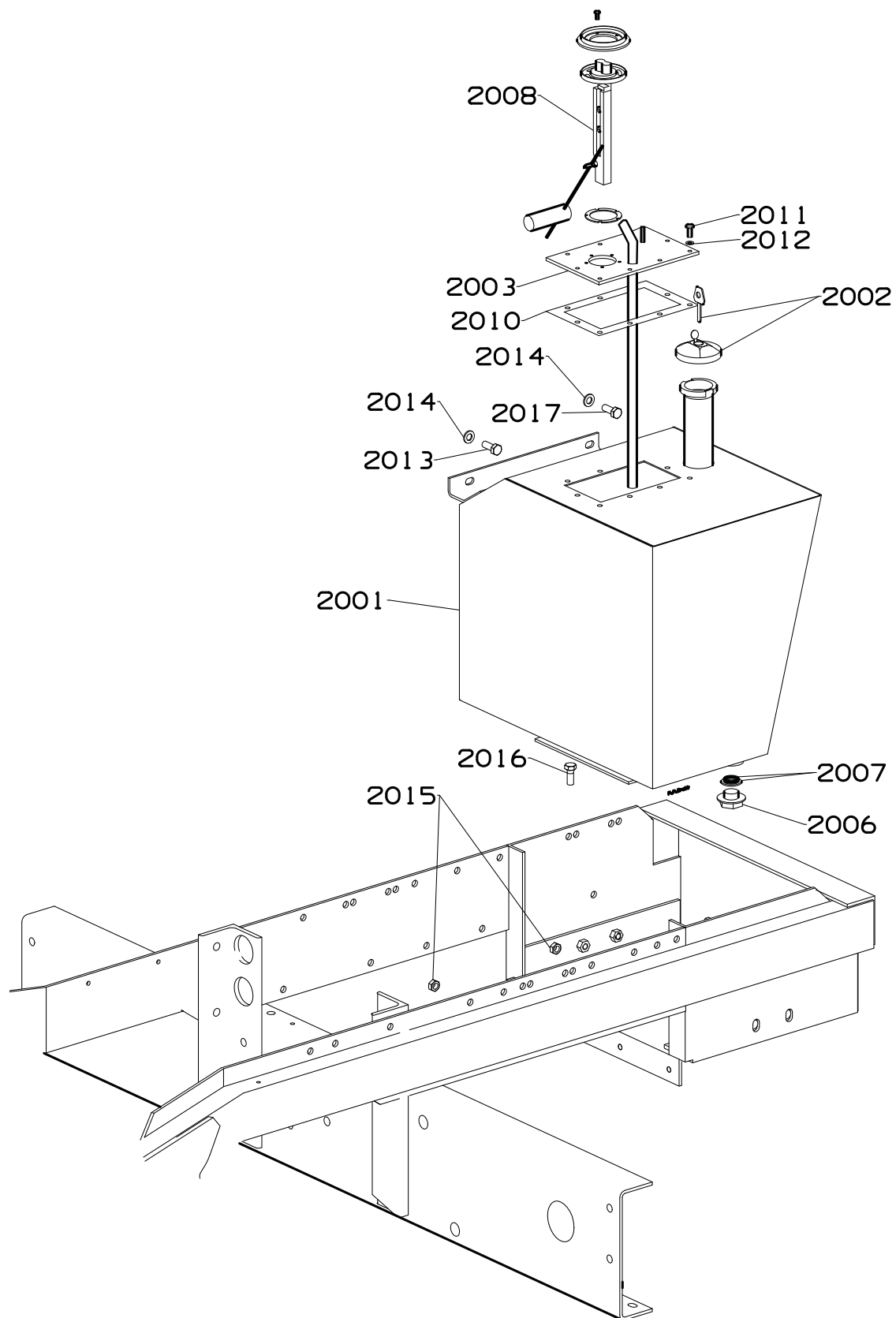
| ITEM | PART NO. | DESCRIPTION             | QTY. | REMARKS                       |
|------|----------|-------------------------|------|-------------------------------|
| 51   | MBE3568H | CHASSIS.                | 1    | See Note end of Parts Listing |
| 52   | MBE4553  | UNIT STOP BRACKET.      | 2    |                               |
| 53   | A299405  | BONDED RUBBER BUFFER    | 2    |                               |
| 54   | 450378   | NUT, M8 NYLOC           | 2    |                               |
| 56   | MBE4042  | CAB MOUNT BRKT. W/ASSY. | 2    |                               |
| 57   | 450191   | SCREW, M8 x 20, HEX HD  | 1    |                               |
| 58   | 450378   | NUT, M8 NYLOC           | 1    |                               |
| 59   | 450191   | SCREW, M8 x 20, HEX HD  | 10   |                               |
| 60   | 450378   | NUT, M8 NYLOC           | 10   |                               |
| 61   | MBF2027  | COVER LOWER W/ASSY.     | 1    |                               |
| 62   | 450192   | SCREW, M8 x 25, HEX HD  | 10   |                               |
| 63   | 450378   | NUT, M8 NYLOC           | 10   |                               |
| 68   | MBG5799  | ANGLE - CHASSIS - LH.   | 1    |                               |
| 69   | MBG5800  | ANGLE - CHASSIS - RH    | 1    |                               |
| 70   | 450214   | SCREW, M10 x 25, HEX HD | 4    |                               |
| 71   | 450379   | NUT, M10 NYLOC          | 10   |                               |
| 72   | MBE3575A | BRACKET.                | 2    |                               |
| 73   | 450216   | SCREW, M10 x 35, HEX HD | 4    |                               |
| 74   | MBG5798  | CROSS MEMBER.           | 1    |                               |
| 75   | 450215   | SCREW, M10 x 30, HEX HD | 2    |                               |
| 76   | MBE3577G | ANGLE CROSS MEMBER.     | 1    |                               |
| 77   | 450270   | SCREW, M16 x 40, HEX HD | 2    |                               |
| 78   | 450382   | NUT, M16 NYLOC          | 2    |                               |
| 79   | MBF1353  | BRACKET WELDED ASSY.    | 1    |                               |
| 80   | A299411  | VIBRATION MOUNT         | 2    |                               |
| 81   | MBE4000  | WASHER.                 | 10   |                               |
| 82   | 450052   | BOLT, M12 x 60, HEX HD  | 2    |                               |
| 83   | 450380   | NUT, M12 NYLOC          | 2    |                               |
| 84*  | 450411   | S.L.WASHER, M8          | 4    |                               |
| 86   | 451257   | SPLIT PIN, 4 x 25       | 1    |                               |
| 87   | 450393   | WASHER, M16             | 1    |                               |
| 88   | MBE4372A | HOOK.                   | 1    |                               |
| 89   | MBE4376B | LEVER WELDED ASSY.      | 1    |                               |
| 90   | A299022  | KNOB                    | 1    |                               |
| 91   | 450379   | NUT, M10 NYLOC          | 1    |                               |
| 92   | 450391   | WASHER, M10             | 3    |                               |
| 93   | A291112  | COMPRESSION SPRING.     | 1    |                               |
| 94   | 451225   | SPLIT PIN, 2.5 x 20     | 1    |                               |
| 95   | MBE4701A | STOP PLATE.             | 1    |                               |
| 96   | 450170   | SCREW, M6 x 16, HEX HD  | 2    |                               |
| 97   | 450389   | WASHER, M6              | 2    |                               |
| 98   | 450410   | S.L.WASHER, M6          | 2    |                               |
| 108  | MBF2000  | FRONT AXLE WA           | 1    |                               |
| 109* | 450270   | SCREW, M16 x 40, HEX HD | 4    |                               |

## MAIN FRAME



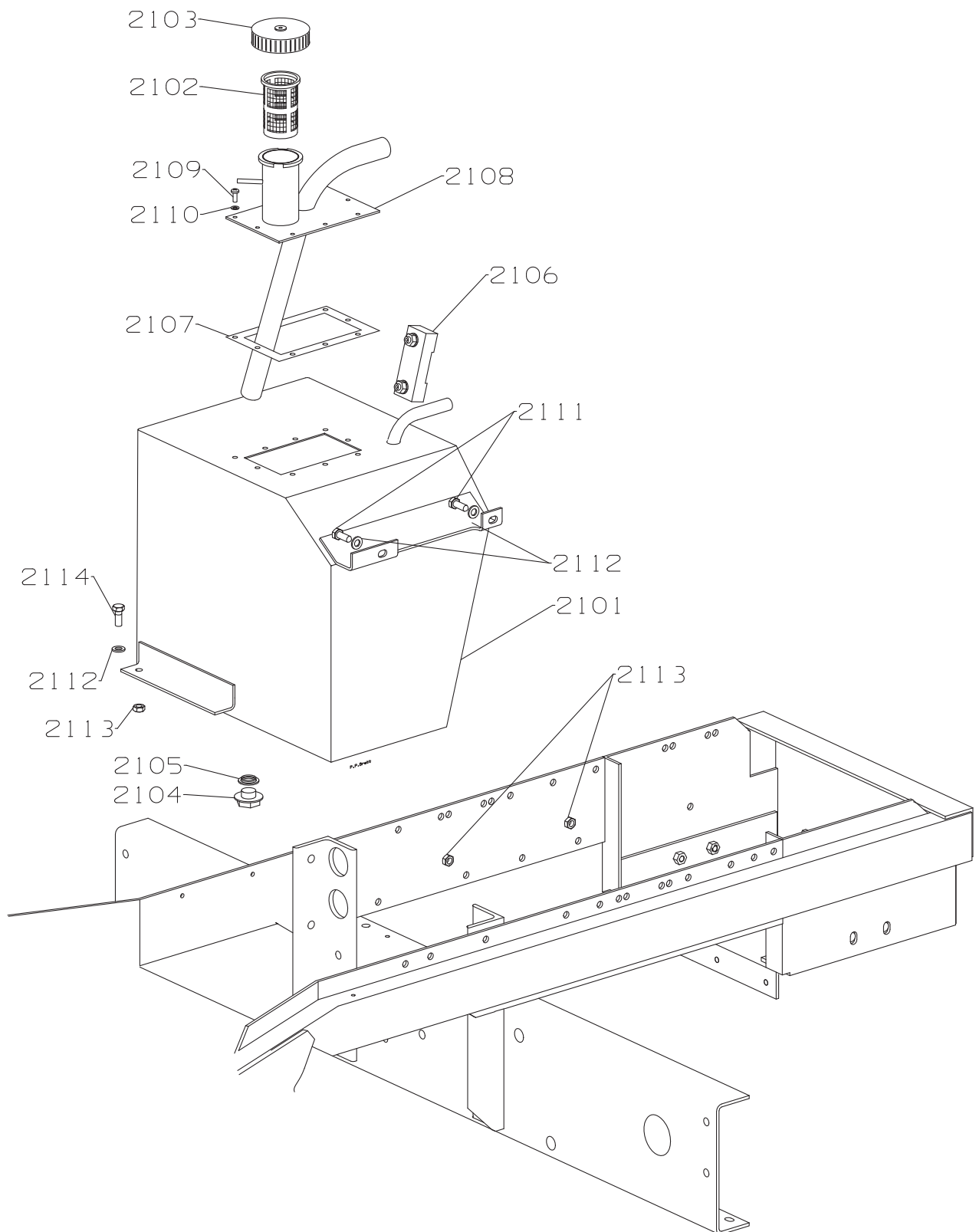
| ITEM | PART NO. | DESCRIPTION  | QTY. | REMARKS  |
|------|----------|--|------|--|
| 110* | 450382   | NUT, M16 NYLOC   | 4    |  |
| 111  | MBG4525A | FITTING BRACKET  | 1    |  |
| 112  | MBG5887  | COMMANDER DEFLECTOR  | 1    |  |
| 113  | MBG5888  | RUBBER DEFLECTOR   | 1    |  |
| 114  | MBG5889  | DEFLECTOR RETAINER   | 1    |  |
| 115  | MBG5893  | RUBBER DEFLECTOR SMALL   | 1    |  |
| 116  | MBG5894  | DEFLECTOR RETAINER   | 1    |  |
| 117  | 452435   | NUT-HEX M6 FLNG NYLOC  | 12   |  |
| 118  | 450542   | SCRW-PAN HD M6 x 20  | 12   |  |
| 119  | 450191   | SCREW-HEX M8 x 20  | 6    |  |
| 120  | 450390   | WSHR-M8 x 17 x 1.8   | 6    |  |
| 121  | 450411   | LOCKWSHR-M8 x 12.75 x 2  | 6    |  |
| 122  | 450370   | NUTSERT-M8 A-L x 20.5  | 6    | USED ON MBG5798.   |
| 140  | MBG6823  | VALVE PLATE  | 2    |  |
| 141  | 450214   | SCREW M10 x 25   | 4    |  |
| 142  | 450379   | NUT M10, STAYTITE  | 4    |  |
|      | LMAC397  | OPS PLATFORM STIFFENERS  |      | From S/N: GC000364                                       |
|      | 4190746  | PLATE<br>When Fitted , Item 81 does need fitting<br>under the ops platorm i.e on top of the<br>Engine Mount. | 2    | From S/N: GC000364                                       |
|      | 450241   | SCREW-HEX M12X30   | 2    | From S/N: GC000364<br>Hardware for securing Plate to Ops |
|      | 450392   | WASHER-M12 x 24 x 2,7  | 2    | From S/N: GC000364<br>Platform via additional Hole       |
|      | 450380   | NUT-HEX M12 NYLOC  | 2    | From S/N: GC000364                                       |

FUEL TANK



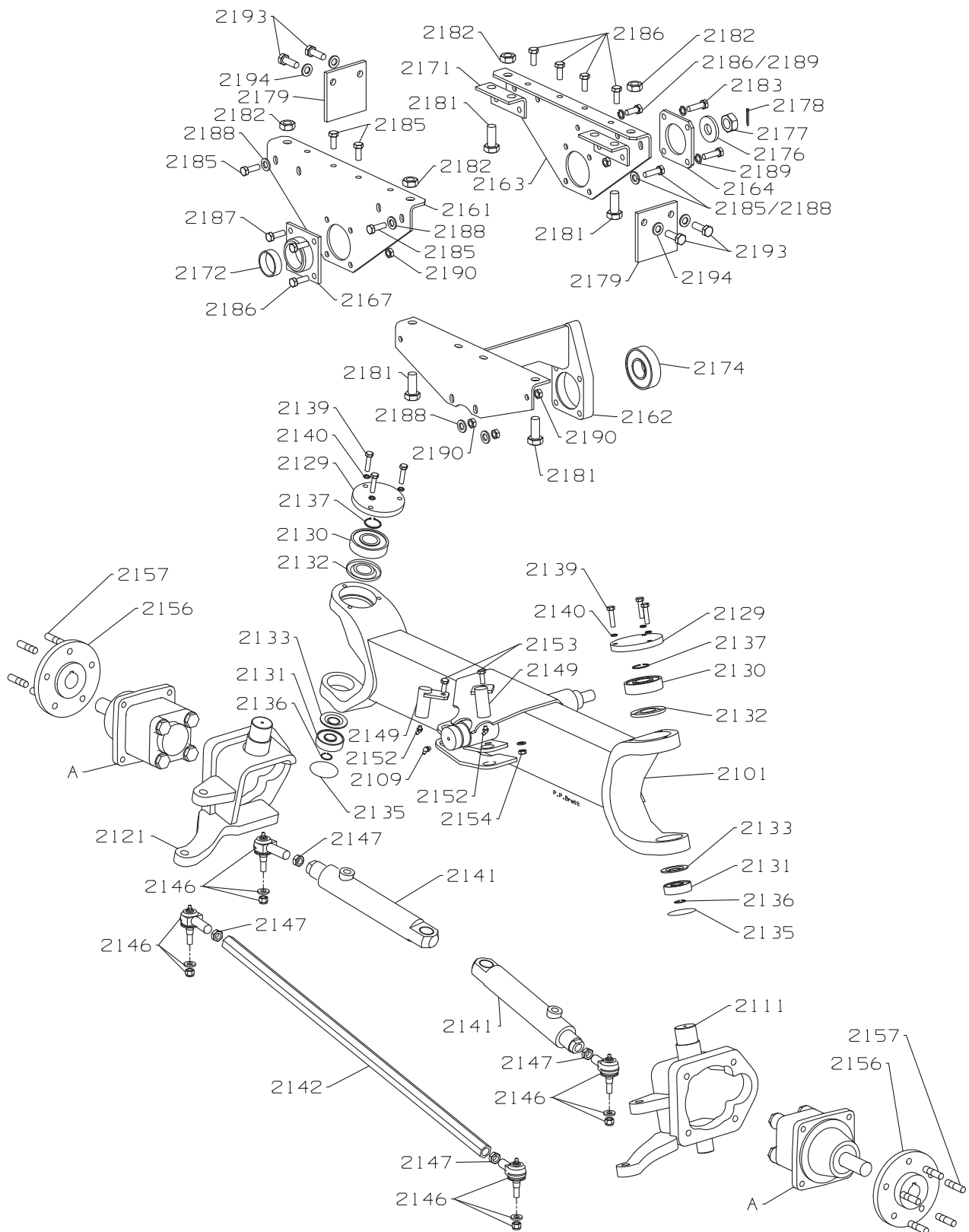
| ITEM  | PART NO. | DESCRIPTION             | QTY. | REMARKS                  |
|-------|----------|-------------------------|------|--------------------------|
| 2001  | MBF0494A | FUEL TANK W/A           | 1    |                          |
| 2002  | H460057  | FILLER CAP              | 1    |                          |
| 2003  | MBF0734A | COVER PLATE W/A         | 1    |                          |
| 2006  | H291025  | MAGNETIC PLUG           | 1    |                          |
| 2007  | A229979  | 5/8 SEAL                | 1    |                          |
| 2008  | A810967  | SENDER UNIT             | 1    |                          |
| 2010  | A904021  | GASKET                  | 1    |                          |
| 2011  | 450541   | SCREW, M6 x 16, PAN HD  | 9    |                          |
| 2012  | 450389   | WASHER, M6              | 9    |                          |
| 2013  | 450214   | SCREW, M10 x 25, HEX HD | 1    |                          |
| 2014  | 450391   | WASHER, M10             | 3    |                          |
| 2015  | 450379   | NUT, M10 NYLOC          | 3    |                          |
| 2016  | 450029   | BOLT, M10 x 35, HEX HD  | 1    |                          |
| 2017  | 450215   | SCREW, M10 x 30, HEX HD | 1    |                          |
| 2018* | MBC6171  | CLAMP, COLLAR           | 1    | FOR ITEM 2008 (A9049390) |
| 2019* | 450529   | SCREW-PAN HD M5x20      | 5    | FOR ITEM 2018            |
| 2020* | A904939  | FIBRE WASHER            | 5    | FOR ITEM 2019            |

HYDRAULIC TANK AND FILTERS



| ITEM | PART NO. | DESCRIPTION             | QTY. | REMARKS          |
|------|----------|-------------------------|------|------------------|
| 2101 | MBF1897B | HYDRAULIC TANK W/ASSY.  | 1    | from SN CGxxxxxx |
| *    | 4205902  | Hydraulic Tank W/Assy   | 1    |                  |
| 2102 | MBB2629  | FILTER                  | 1    |                  |
| 2103 | H460004  | FILLER CAP              | 1    |                  |
| 2104 | H291025  | MAGNETIC PLUG           | 1    |                  |
| 2105 | A229979  | 5/8 SEAL                | 1    |                  |
| 2106 | A808027  | LEVEL GAUGE             | 1    |                  |
| 2107 | A904021  | GASKET                  | 1    |                  |
| 2108 | MBF1095A | HYD.TANK LID W.A.       | 1    |                  |
| 2109 | 450541   | SCREW, M6 x 16, PAN HD  | 9    |                  |
| 2110 | 450389   | WASHER, M6              | 9    |                  |
| 2111 | 450214   | SCREW, M10 x 25, HEX HD | 2    |                  |
| 2112 | 450391   | WASHER, M10             | 3    |                  |
| 2113 | 450379   | NUT, M10 NYLOC          | 3    |                  |
| 2114 | 450029   | BOLT, M10 x 35, HEX HD  | 1    |                  |

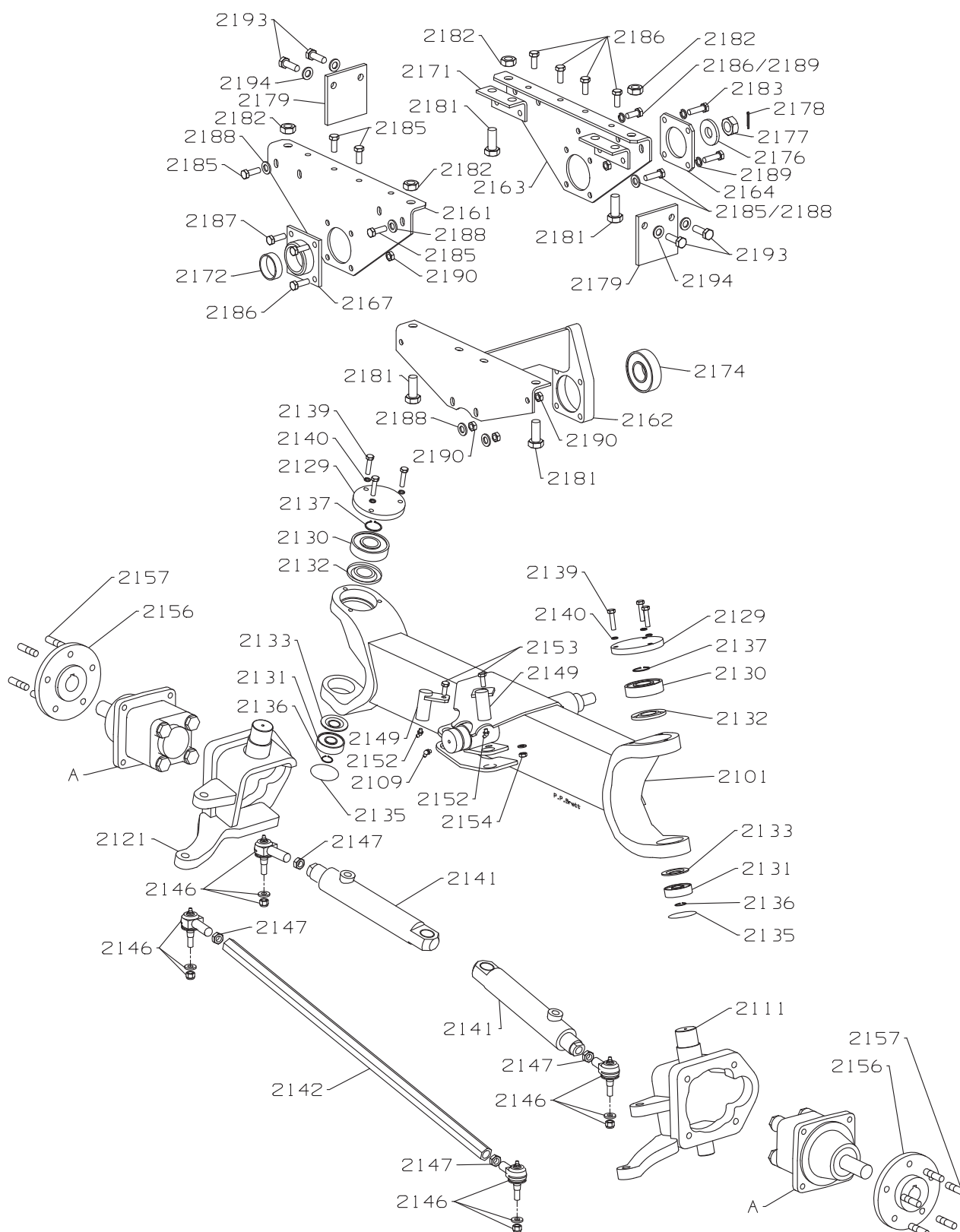
## STEERING AND REAR AXLE





| ITEM | PART NO.  | DESCRIPTION             | QTY. | REMARKS   |
|------|-----------|-------------------------|------|-----------|
| 2101 | MBE3824F  | REAR AXLE.              | 1    | GSF1194AH |
| 2109 | A299306   | LUBRICATOR              | 1    |           |
| 2111 | MBF2107   | AXLE SWIVEL LH.         | 1    |           |
| 2121 | MBF2108   | AXLE SWIVEL RH.         | 1    |           |
| 2129 | MBE3854   | COVER.                  | 2    |           |
| 2130 | A203706   | BEARING, 30x72x19       | 2    |           |
| 2131 | A203605   | BEARING, 25x52x15       | 2    |           |
| 2132 | A228306   | NILOS RING              | 2    |           |
| 2133 | A228205   | NILOS RING              | 2    |           |
| 2135 | A906500   | PLUG                    | 2    |           |
| 2136 | 452050    | EXT CIRCLIP, 25 mm      | 2    |           |
| 2137 | 452055    | EXT CIRCLIP, 30 mm      | 2    |           |
| 2139 | 450016    | BOLT, M8 x 40, HEX HD   | 6    |           |
| 2140 | 450411    | S.L.WASHER, M8          | 6    |           |
| 2141 | A902807   | STEERING RAM            | 2    |           |
| 2142 | MBE3879   | TRACK ROD.              | 1    |           |
| 2146 | A814546   | STEERING JOINT          | 4    |           |
| 2147 | MBE3925   | LOCKNUT.                | 4    |           |
| 2149 | MBE3855A  | ANCHOR PIN.             | 2    |           |
| 2152 | A299316   | LUBRICATOR              | 2    |           |
| 2153 | 450191    | SCREW, M8 x 20, HEX HD  | 2    |           |
| 2154 | 450378    | NUT, M8 NYLOC           | 2    |           |
| 2156 | MBG6022   | WHEEL HUB.              | 2    |           |
| 2157 | 456800237 | STUD                    | 10   |           |
| 2161 | MBE3850   | SUPPORT PLATE.          | 1    |           |
| 2162 | MBE3845B  | SUPPORT HOUSING W/ASSY. | 1    |           |
| 2163 | MBE4589   | SUPPORT PLATE.          | 1    |           |
| 2164 | MBE4590   | CLAMP - BEARING.        | 1    |           |
| 2167 | MBG4646   | BEARING HOUSING         | 1    |           |
| 2171 | MBE3849   | BRACKET.                | 2    |           |
| 2172 | A214432   | BUSH                    | 1    |           |
| 2174 | A203707   | BEARING, 35x80x21       | 1    |           |
| 2176 | AE45106   | CLAMP WASHER            | 1    |           |
| 2177 | 450383    | NUT, M20 NYLOC          | 1    |           |
| 2178 | 451274    | SPLIT PIN, 5 x 32       | 1    |           |
| 2179 | MBE3897A  | AXLE STOP.              | 2    |           |
| 2181 | 450270    | SCREW, M16 x 40, HEX HD | 4    |           |
| 2182 | 450382    | NUT, M16 NYLOC          | 4    |           |
| 2183 | 450216    | SCREW, M10 x 35, HEX HD | 4    |           |
| 2185 | 450029    | BOLT, M10 x 35, HEX HD  | 2    |           |
| 2186 | 450214    | SCREW, M10 x 25, HEX HD | 4    |           |
| 2187 | 450215    | SCREW, M10 x 30, HEX HD | 2    |           |
| 2188 | 450391    | WASHER, M10             | 2    |           |
| 2189 | 450412    | S.L.WASHER, M10         | 4    |           |

## STEERING AND REAR AXLE



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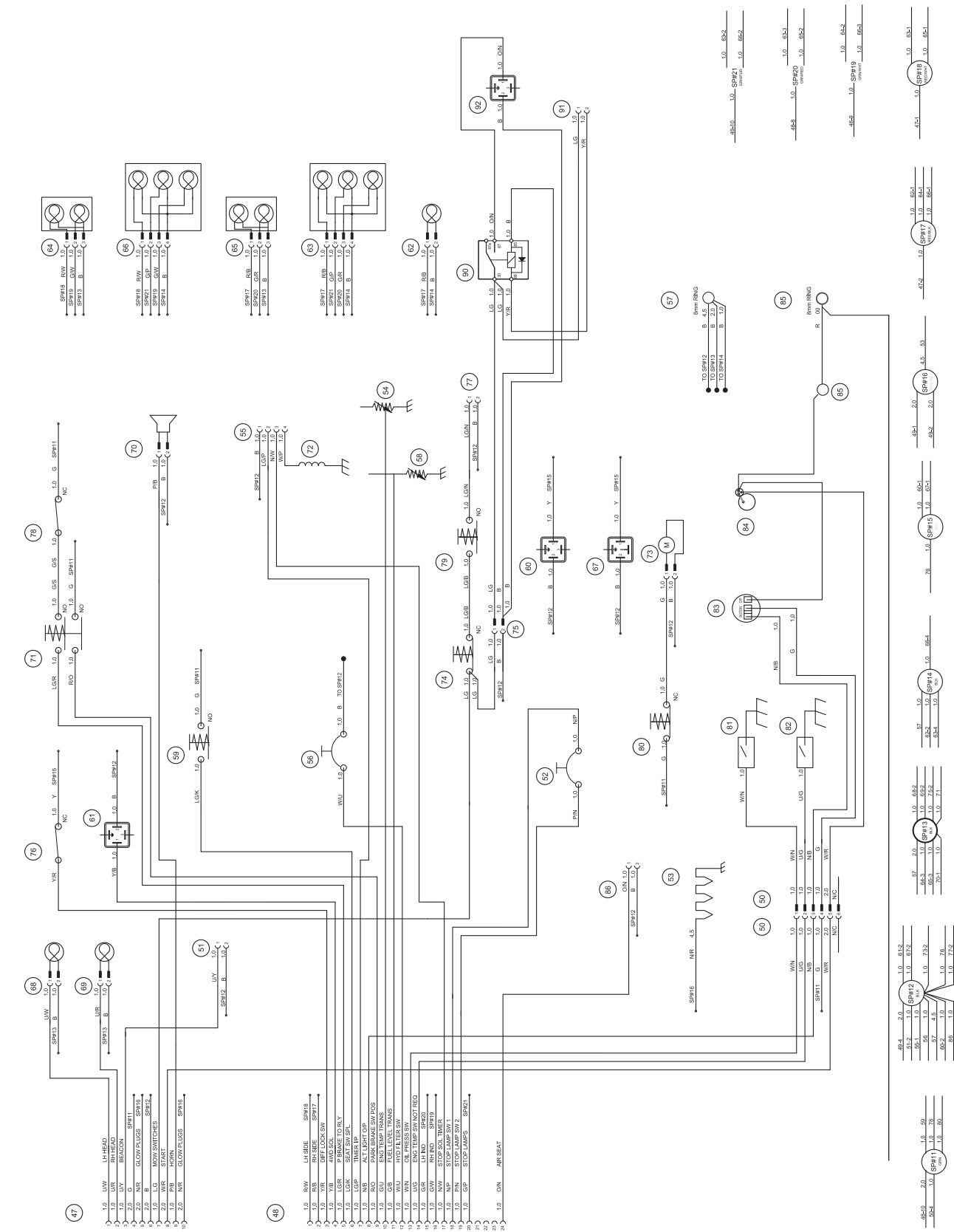
## ELECTRICAL CONTROL PANEL (LCD Display)



| ITEM | PART NO.  | DESCRIPTION                      | QTY. | REMARKS    |
|------|-----------|----------------------------------|------|------------|
| 1    | 008244545 | Stop Lamp Relay                  |      |            |
| 2    | 008244640 | Seat Relay                       |      |            |
| 3    | 008244545 | Start Relay 1                    |      |            |
| 4    | 008244545 | Start Relay 2                    |      |            |
| 5    | 008244650 | Flasher Relay                    |      |            |
| 6    | 008244545 | Horn Relay                       |      |            |
| 7    | N/A       | Fuse Block                       |      |            |
| 8    | EX KUBOTA | Lamp Timer                       |      |            |
| 9    | N/A       | Cab Supply                       |      |            |
| 10   | 008233350 | Master Fuse                      |      |            |
| 11   | EX KUBOTA | Key Switch                       |      |            |
| 12   | N/A       | Setup Switch                     |      |            |
| 13   | 008298544 | Horn Switch                      |      |            |
| 14   | N/A       | Engage III 10 pin Connector      |      |            |
| 15   | N/A       | Engage III 8 Pin Connector       |      |            |
|      | 4138841   | Engage 3                         |      |            |
|      | 4184682   | Engage 3                         |      | later m/cs |
| 16   | N/A       | Indicator Lamp                   |      |            |
| 16.1 | 008232760 | • Bulb                           |      |            |
| 16.2 | 4139774   | • Lens                           |      |            |
| 17   | 4138891   | Indicator Switch                 |      |            |
| 18   | 4138886   | Lights Switch                    |      |            |
| 19   | 4138893   | 4 Wheel Drive Switch             |      |            |
| 20   | 4138889   | Beacon Switch                    |      |            |
| 21   | 4138892   | Hazard Switch                    |      |            |
| 22   | 4138885   | Accessory Socket                 |      |            |
| 23   | 4128679   | Accessory Socket                 |      |            |
| 30   | 008245170 | Safety Diode                     |      |            |
| 47   | N/A       | 10 Pin Connector to Main Harness |      |            |
| 48   | N/A       | 24 Pin Connector to Main Harness |      |            |
|      | 4138829   | Panel Loom                       |      |            |

RANSOMES COMMANDER 3520

ELECTRICAL MAIN HARNESS (LCD DISPLAY)



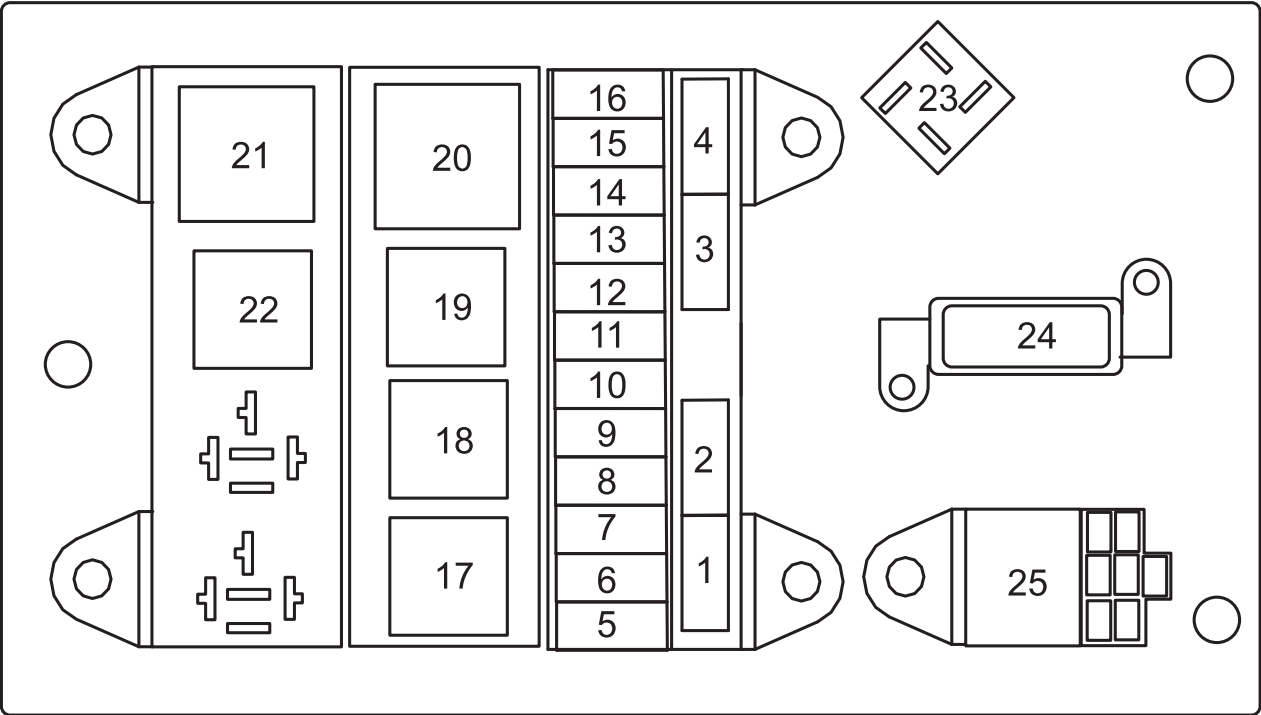
| ITEM | PART NO.  | DESCRIPTION                               | QTY. | REMARKS                 |
|------|-----------|---|------|-------------------------|
| 47   | N/A       | 10 Pin Connector to Panel Harness         |      |                         |
| 48   | N/A       | 24 Pin Connector to Panel Harness         |      |                         |
| 50   | N/A       | Split To Engine                           |      |                         |
| 51   | 008231940 | Beacon                                    |      |                         |
| 52   | 002600570 | Brake Lamp Switch                         |      |                         |
| 53   | EX KUBOTA | Glow Plugs                                |      |                         |
| 54   | 008296030 | Water Temperature Sender                  |      |                         |
|      | 4184680   | Water Temperature Sender                  |      | later m/cs with 4184682 |
| 55   | EX KUBOTA | Stop Solenoid Timer                       |      |                         |
| 56   | 008090880 | Filter Switch                             |      |                         |
| 57   | -         | Battery Negative Terminal                 |      |                         |
|      | 4138844   | Negative Battery Cable                    |      |                         |
| 58   | 008109670 | Fuel Level Sender                         |      |                         |
| 59   | 009054480 | Seat Switch                               |      |                         |
| 60   | -         | Left Hand 4 Wheel Drive Reverse Solenoid  |      | See 4WD Reverse Valve   |
| 61   | -         | 4 Wheel Drive Solenoid                    |      | See Transmission Valve  |
| 62   | 008231960 | Number Plate Lamp                         |      |                         |
| 63   | 4127604   | Left Hand Rear Lamp                       |      |                         |
| 64   | 4139130   | Right Hand Side Lamp                      |      |                         |
| 65   | 4139130   | Left Hand Side Lamp                       |      |                         |
| 66   | 4127605   | Right Hand Rear Lamp                      |      |                         |
| 67   | -         | Right Hand 4 Wheel Drive Reverse Solenoid |      | See 4WD Reverse Valve   |
| 68   | 009050610 | Left Hand Head Lamp                       |      |                         |
| 69   | 009050610 | Right Hand Head Lamp                      |      |                         |
| 70   | 008239720 | Horn                                      |      |                         |
| 71   | 009058090 | Parking Brake Switch                      |      |                         |
| 72   | EX KUBOTA | Stop Solenoid                             |      |                         |
| 74   | W038383   | Forward / Reverse Switch                  |      |                         |
| 73   | EX KUBOTA | Fuel Pump                                 |      |                         |
| 75   | N/A       | Split to Single Unit Cut Loom             |      |                         |
| 76   | 009058090 | Differential Lock Switch                  |      |                         |
| 77   | 008011560 | Cylinder Drive Valve Solenoid             |      |                         |
| 78   | W038383   | Cylinder Drive Switch                     |      |                         |
| 79   | 009058090 | Cylinder Drive Foot Switch                |      |                         |
| 80   | W038383   | Emergency Brake Release Switch            |      |                         |
| 81   | EX KUBOTA | Oil Pressure Switch                       |      |                         |
| 82   | EX KUBOTA | Water Over Temperature Switch             |      |                         |
| 83   | EX KUBOTA | Alternator                                |      |                         |
| 84   | EX KUBOTA | Starter Motor Main Terminal               |      |                         |
| 85   | 4142090   | Battery Positive Terminal                 |      |                         |
|      | 4142525   | Positive Battery Cable                    |      |                         |
| 86   | N/A       | Air Seat Power Supply                     |      |                         |

## ELECTRICAL MAIN HARNESS (LCD DISPLAY)



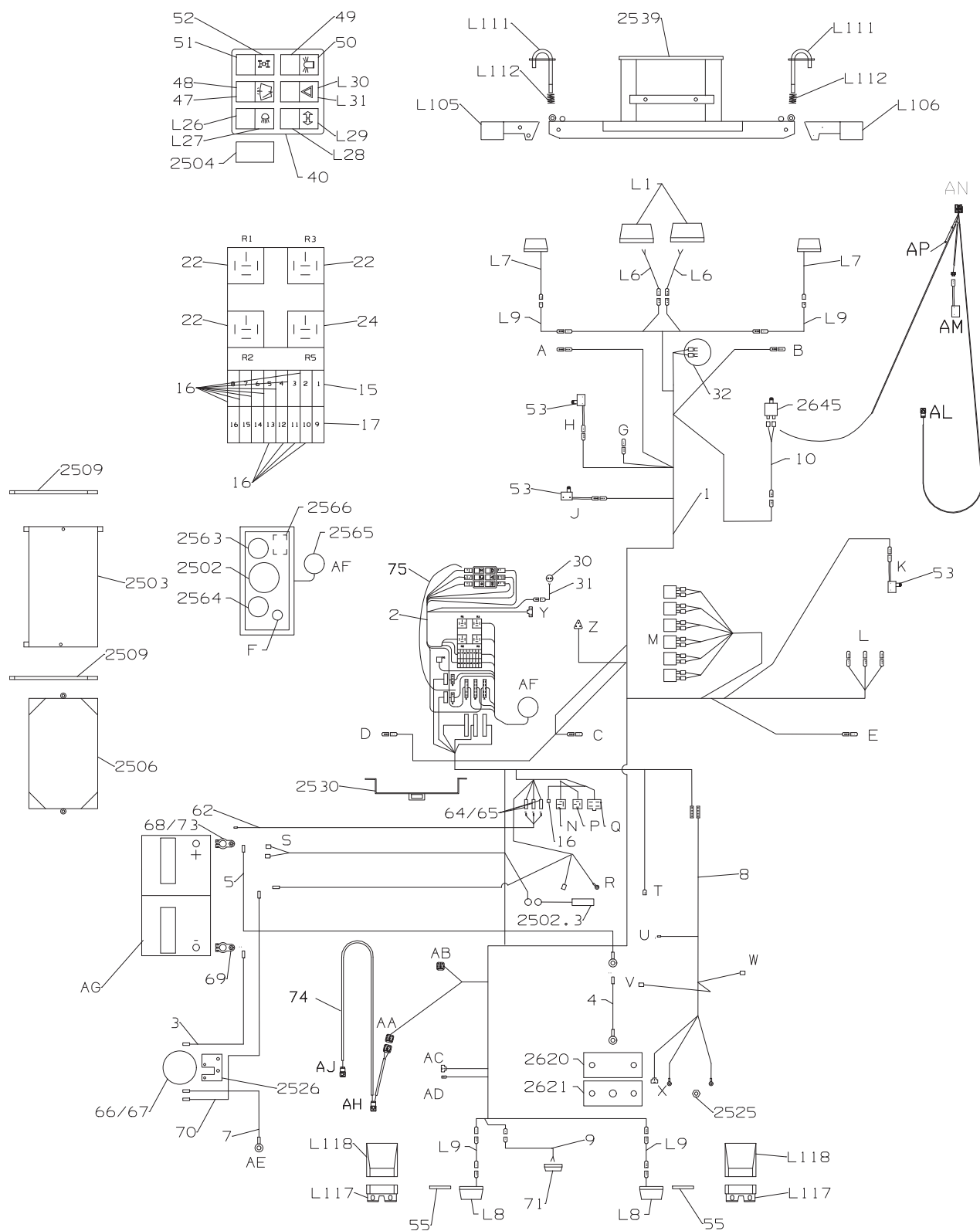


| ITEM | PART NO.  | DESCRIPTION              | QTY. | REMARKS          |
|------|-----------|--------------------------|------|------------------|
| 90   | 008244730 | Single Unit Cut Relay    |      |                  |
| 91   | J3007392  | Single Unit Cut Switch   |      |                  |
| 92   | 009028180 | Single Unit Cut Solenoid |      |                  |
|      | 4196500   | Main Loom                | 1    | from SN CG000323 |
|      | 4138826   | Main Loom                | 1    | to SN CG000322   |
|      | 4138827   | Single Cut Loom          |      |                  |
|      | 4139132   | Engine Loom              |      |                  |
|      | 009056770 | Reg. Plate Harness       |      |                  |



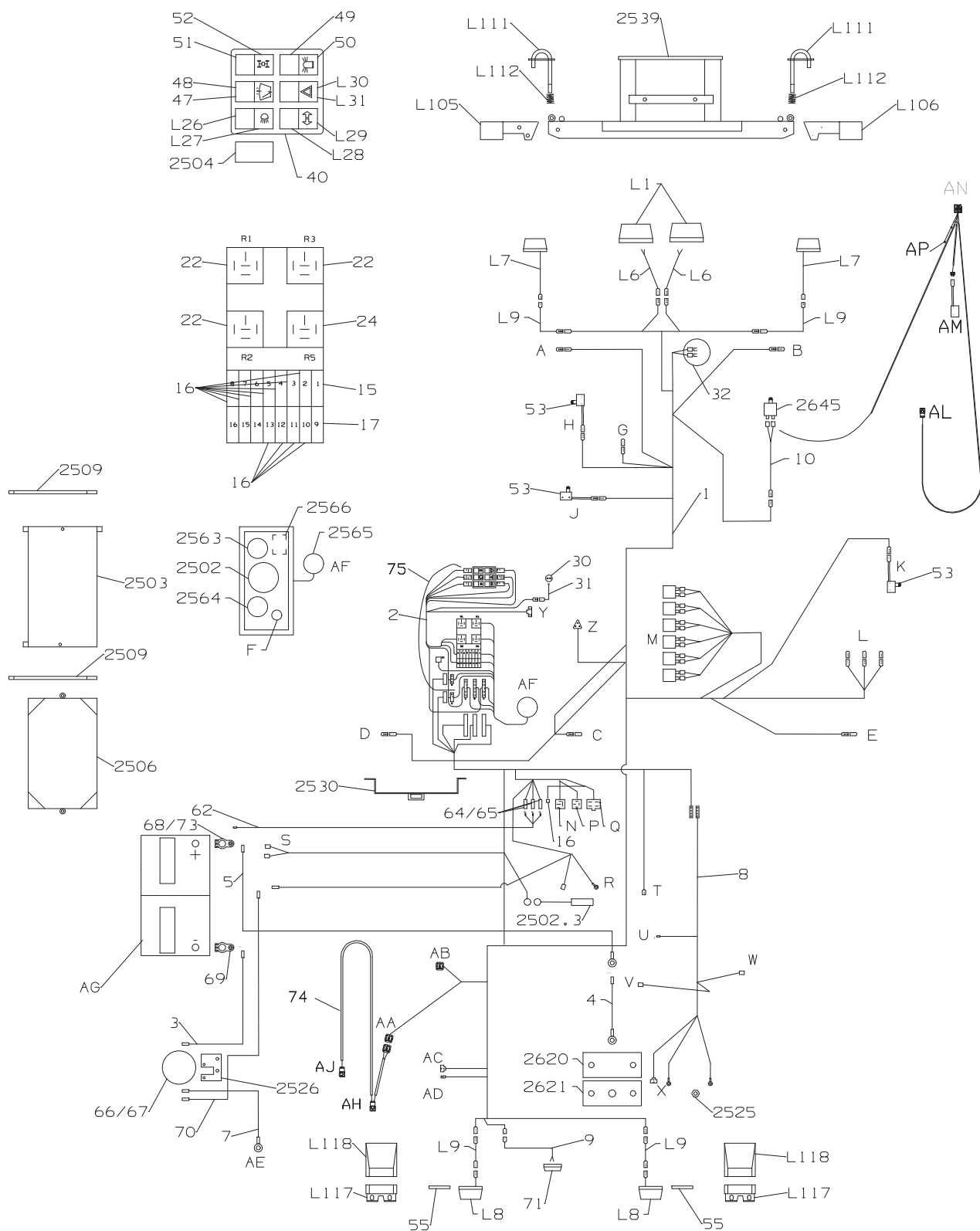
| ITEM | PART NO.  | DESCRIPTION         | QTY. | REMARKS  |
|------|-----------|---------------------|------|--|
| 1    | 4139775   | Fuse 2 Amp          | 1    | Engage 3 Instrument                                  |
| 2    | 008233164 | Fuse 10 Amp         | 1    | Hazard Lights  |
| 3    | 008233180 | Fuse 20 Amp         | 1    | Cab Supply & Stop Solenoid Timer                     |
| 4    | 008233164 | Fuse 10 Amp         | 1    | Stop Lamps, Horn & Beacon                            |
| 5    | 008233164 | Fuse 10 Amp         | 1    | Accessory Socket 2                                   |
| 6    | 008233172 | Fuse 15 Amp         | 1    | Accessory Socket 1                                   |
| 7    | 008233172 | Fuse 15 Amp         | 1    | Ignition, Engage 3 & Start Relay Control             |
| 8    | 008233164 | Fuse 10 Amp         | 1    | Indicators   |
| 9    | 008233164 | Fuse 10 Amp         | 1    | 4 Wheel Drive System                                 |
| 10   | 4139775   | Fuse 2 Amp          | 1    | Horn Alarm Circuits                                  |
| 11   | 008233164 | Fuse 10 Amp         | 1    | Seat Delay, Alternator, Fuel Pump & Control Circuits |
| 12   | 008233156 | Fuse 5 Amp          | 1    | Mow Switches   |
| 13   | 008233164 | Fuse 10 Amp         | 1    | Right Hand Headlamp                                  |
| 14   | 008233164 | Fuse 10 Amp         | 1    | Left Hand Headlamp                                   |
| 15   | 008233156 | Fuse 5 Amp          | 1    | Right Hand Marker Lights                             |
| 16   | 008233156 | Fuse 5 Amp          | 1    | Left Hand Marker Lights                              |
| 17   | 008244545 | Relay               |      | Starter Relay 1                                      |
| 18   | 008244545 | Relay               |      | Starter Relay 2                                      |
| 19   | 008244545 | Relay               |      | Stop Lamp Relay                                      |
| 20   | 008244650 | Relay               |      | Flasher Unit   |
| 21   | 008244640 | Relay               |      | Seat Delay   |
| 22   | 008244545 | Relay               |      | Horn   |
| 23   | 008245170 | Diode Bridge        |      |  |
| 24   | 008233350 | Main Fuse           |      |  |
| 25   | EX KUBOTA | Stop Solenoid Timer |      |  |

## ELECTRICAL (Analog Display)



| ITEM  | PART NO. | DESCRIPTION             | QTY. | REMARKS           |
|-------|----------|-------------------------|------|-------------------|
| 2502  | A810963  | HOUR METER              | 1    |                   |
| 2503  | MBF1185A | BATTERY TRAY WA         | 1    |                   |
| 2505* | MBE3504  | MIC.SWITCH KEEP PLATE.  | 3    |                   |
| 2506  | MBF2363  | BATTERY CLAMP W/ASSY.   | 1    |                   |
| 2507* | W48228   | HOSE CLIP               | 1    |                   |
| 2508* | A199253  | EDGE CLIP, 6-7 mm       | 1    |                   |
| 2509  | MBE4162  | ROD.                    | 2    |                   |
| 2510* | 450324   | NUT, M8                 | 2    |                   |
| 2511* | 450390   | WASHER, M8              | 2    |                   |
| 2512* | 450378   | NUT, M8 NYLOC           | 2    |                   |
| 2513* | 450215   | SCREW, M10 x 30, HEX HD | 1    |                   |
| 2514* | 450391   | WASHER, M10             | 1    |                   |
| 2515* | 450379   | NUT, M10 NYLOC          | 1    |                   |
| 2516* | A199232  | CABLE TIE BASE          | 2    |                   |
| 2517* | A199211  | TIE, 140 x 3.6          | 2    |                   |
| 2518* | 450191   | SCREW, M8 x 20, HEX HD  | 1    |                   |
| 2519* | 450390   | WASHER, M8              | 1    |                   |
| 2520* | 450378   | NUT, M8 NYLOC           | 1    |                   |
| 2521* | 450191   | SCREW, M8 x 20, HEX HD  | 1    |                   |
| 2522* | 450390   | WASHER, M8              | 1    |                   |
| 2523* | 450411   | S.L.WASHER, M8          | 1    |                   |
| 2524* | A119032  | SCREW, M10 x 20         | 2    |                   |
| 2525  | MBE4412  | ADAPTOR.                | 1    |                   |
| 2526  | MBG5249  | ISOLATOR BRACKET.       | 1    |                   |
| 2527* | 450172   | SCREW, M6 x 25, HEX HD  | 2    |                   |
| 2528* | 450389   | WASHER, M6              | 2    |                   |
| 2529* | 450377   | NUT, M6 NYLOC           | 2    |                   |
| 2530  | MBE4315A | BRACKET - RELAY.        | 1    |                   |
| 2531* | 450171   | SCREW, M6 x 20, HEX HD  | 2    |                   |
| 2532* | 450410   | S.L.WASHER, M6          | 2    |                   |
| 2533* | 450528   | SCREW, M5 x 16, PAN HD  | 8    |                   |
| 2534* | 450376   | NUT, M5 NYLOC           | 8    |                   |
| 2535* | A199211  | TIE, 140 x 3.6          | 15   |                   |
| 2536* | H499802  | CABLE TIE               | 15   |                   |
| 2539  | MBE4444D | BUMPER BAR W/ASSY.      | 1    |                   |
| 2540* | 450217   | SCREW, M10 x 40, HEX HD | 4    |                   |
| 2541* | 450412   | S.L.WASHER, M10         | 4    |                   |
| 2542* | 450325   | NUT, M10                | 4    |                   |
| 2562* | A199232  | CABLE TIE BASE          | 3    |                   |
| 2563  | A810020  | TEMP GAUGE, LCD         | 1    |                   |
| 2564  | A810019  | FUEL GAUGE LCD          | 1    |                   |
| 2565  | A905543  | INSTRUMENT HARNESS      | 1    | A905717 + A905726 |
| 2566  | A905018  | SEAT SWITCH DELAY       | 1    |                   |
| 2567* | A903926  | COLOUR CODING SPOT KIT  | 1    |                   |

## ELECTRICAL (Analog Display)



| ITEM                  | PART NO. | DESCRIPTION                 | QTY. | REMARKS                            |
|-----------------------|----------|-----------------------------|------|------------------------------------|
| 2570*                 | MBG0003  | KEEP PLATE.                 | 1    | FOR BATTERY LEADS<br>BLACK PLUNGER |
| 2620                  | A913488  | TERMINAL PLATE              | 1    |                                    |
| 2621                  | A913489  | INSULATING PLATE            | 1    |                                    |
| 2622*                 | A913490  | SPACER, NYLON               | 2    |                                    |
| 2631*                 | 450195   | SCREW, M8 x 40, HEX HD      | 1    |                                    |
| 2632*                 | 450390   | WASHER, M8                  | 4    |                                    |
| 2633*                 | 450324   | NUT, M8                     | 1    |                                    |
| 2634*                 | 450378   | NUT, M8 NYLOC               | 1    |                                    |
| 2635*                 | 450856   | SCREW, M6 x 35, SCKT CSK HD | 2    |                                    |
| 2636*                 | 450389   | WASHER, M6                  | 1    |                                    |
| 2637*                 | 450377   | NUT, M6 NYLOC               | 1    |                                    |
| 2641*                 | A199235  | CLIP, 12-14 mm              | 2    |                                    |
| 2645                  | W038383  | SWITCH                      | 2    |                                    |
| 2646                  | A913479  | CORUGATED NYLON CONDUIT     | 1    |                                    |
| 2647*                 | A829886  | NO/NO DBLE POLE SWITCH      | 1    |                                    |
| <b>ELECTRICAL KIT</b> |          |                             |      |                                    |
| 1                     | A905758  | HARNESS - MAIN              | 1    |                                    |
| 2                     | A905759  | HARNESS CONSOLE             | 1    |                                    |
| 3                     | A905646  | BATTERY LEAD -VE            | 1    |                                    |
| 4                     | A905662  | BATTERY LEAD POS            | 1    |                                    |
| 5                     | A905485  | BATTERY LEAD +VE            | 1    |                                    |
| 7                     | A905487  | EARTH STRAP                 | 1    |                                    |
| 8                     | A905760  | ENGINE SUB HARNESS          | 1    |                                    |
| 9                     | A905677  | HARNESS, REG PLATE          | 1    |                                    |
| 10                    | A905665  | HARNESS,SWITCH ADAPTOR      | 1    |                                    |
| 15                    | A823315  | 5 AMP FUSE                  | 1    |                                    |
| 16                    | A823316  | FUSE 10 AMP                 | 11   |                                    |
| 17                    | A823318  | FUSE 20 AMP                 | 2    |                                    |
| 22                    | A824454  | RELAY                       | 3    |                                    |
| 24                    | A824465  | FLASHER RELAY               | 1    |                                    |
| 30                    | A829854  | SWITCH (PUSH BUTTON)        | 1    |                                    |
| 31                    | A905469  | SWITCH HARNESS              | 1    |                                    |
| 32                    | A823972  | HORN                        | 1    |                                    |
| 40                    | A829569  | SWITCH FRAME (3WAY)         | 2    |                                    |
| 47                    | A829529  | ROCKER SWITCH               | 1    |                                    |
| 48                    | A829556  | LENS INSERT WIPER/WASH      | 1    |                                    |
| 49                    | A829526  | ROCKER SWITCH               | 1    |                                    |
| 50                    | A823159  | LENS INSERT - BEACON        | 1    |                                    |
| 51                    | A829526  | ROCKER SWITCH               | 1    |                                    |
| 52                    | A829567  | LENS INSERT, 4WD, GREEN.    | 1    |                                    |
| 53                    | A905809  | MICROSWITCH ASSLY           | 3    |                                    |
| 55                    | A823153  | REFLECTOR                   | 2    |                                    |
| 62                    | A905492  | BATTERY FUSE HARNESS        | 1    |                                    |

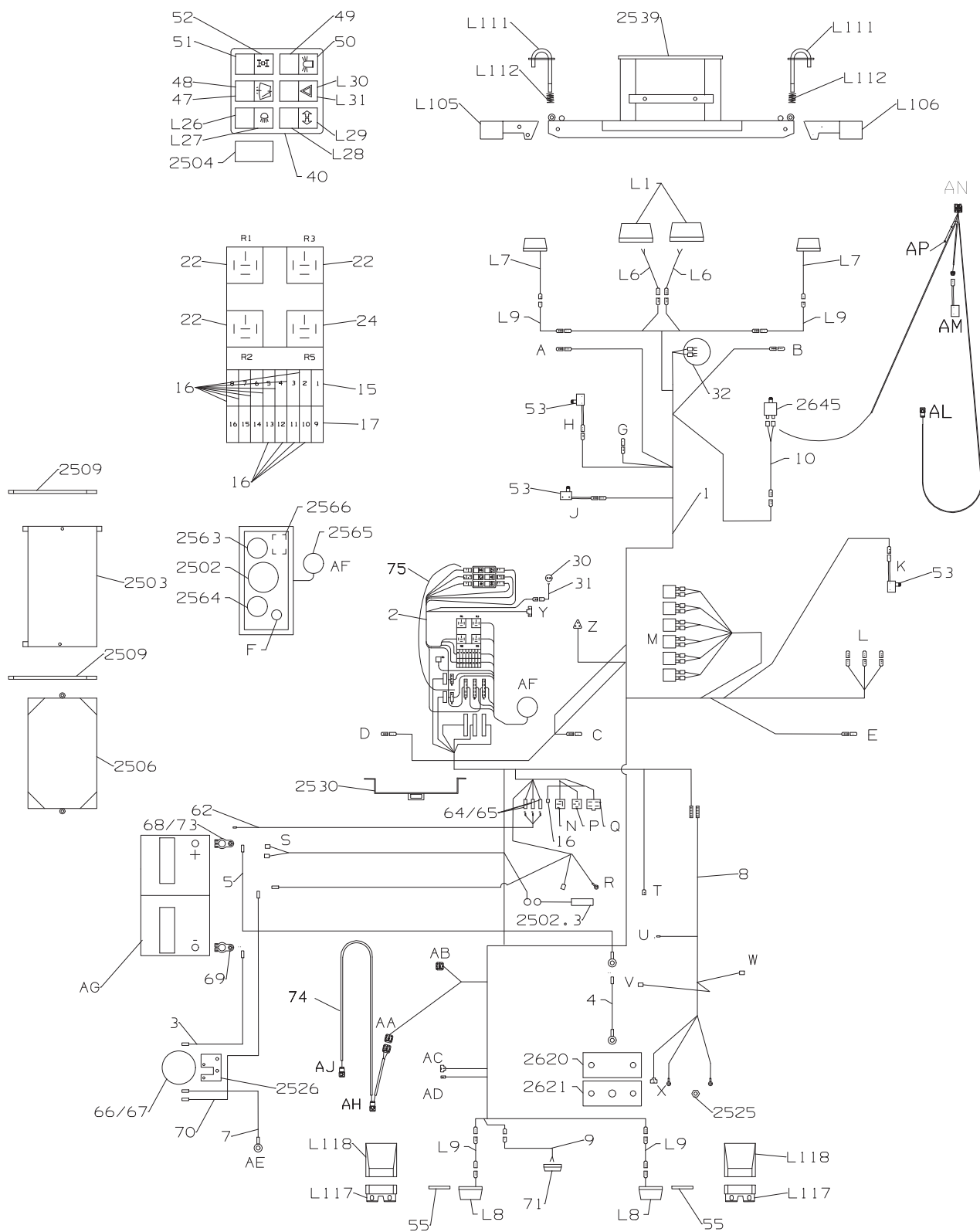
## ELECTRICAL (Analog Display)





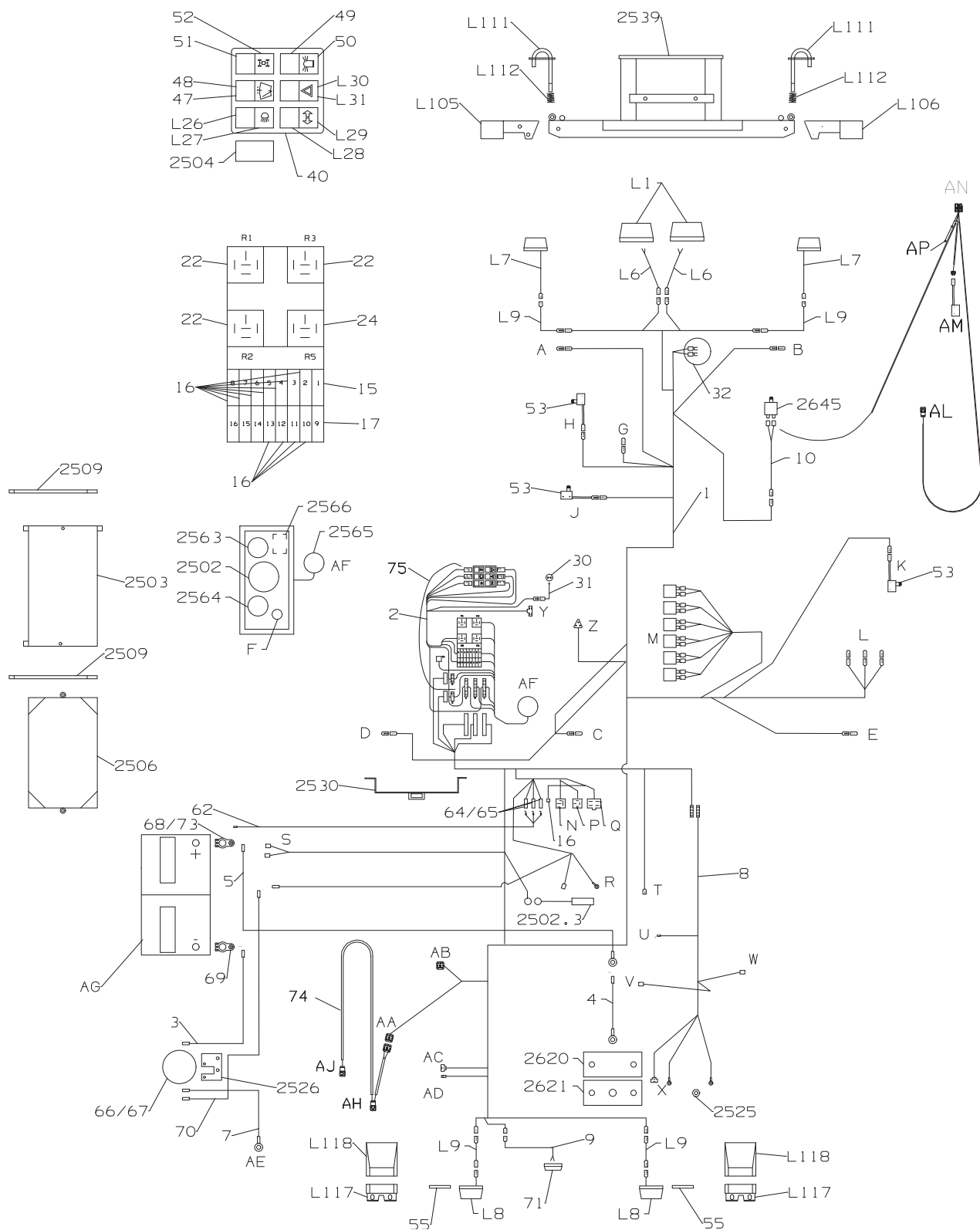
| ITEM | PART NO.    | DESCRIPTION                 | QTY. | REMARKS                   |
|------|-------------|-----------------------------|------|---------------------------|
| 64   | A823335     | FUSE HOLDER                 | 3    |                           |
| 65   | A823337     | FUSE, STRIP LINK            | 3    |                           |
| 66   | A829576     | BATTERY ISO SWITCH          | 1    |                           |
| 67   | A829577     | KEY FOR ISO SWITCH          | 1    |                           |
| 68   | A822207     | BATTERY TERMINAL            | 1    |                           |
| 69   | A822208     | BATTERY TERMINAL            | 1    |                           |
| 70   | A905651     | ISO SWITCH LEAD -VE         | 1    |                           |
| 71   | A823196     | REG.PLATE LAMP              | 1    |                           |
| 72*  | MBG4133     | BUSH, STRAIN RELIEF         | 1    |                           |
| 73*  | A823030     | INSULATION BOOT             | 2    |                           |
| *    | A823343     | RELAY / FUSE MOUNTING KIT   | AR   |                           |
| 74   | 009057780   | 4WD REVERSE HARNESS         | 1    |                           |
| 75   | 4116829     | JUMPER LEAD                 | 1    |                           |
| A    |             |                             |      | BLANK                     |
| B    |             |                             |      | SHORTING PLUG             |
| C    |             |                             |      | BLANK                     |
| D    |             |                             |      | BLANK                     |
| E    |             |                             |      | BLANK                     |
| F    |             | KEY SWITCH                  |      |                           |
| G    |             |                             |      | BLANK                     |
| H    | 009058090   | MICROSWITCH                 |      | CYLINDER RESET            |
| J    | 009058090   | MICROSWITCH                 |      | 4WD REVERSE SWITCH        |
| K    |             | MICROSWITCH                 |      | MOW CONTROL               |
| L    |             |                             |      | BLANK                     |
| M    | A801080     | SOLENOID VALVES             |      |                           |
| N    | A824467     | HEATER TIMER                |      |                           |
| P    | A824466     | STARTER RELAY               |      |                           |
| Q    | 31351-31413 | STOP SOLENOID RELAY         |      | EX KUBOTA                 |
| R    | -           | GLOW PLUGS                  |      | SEE KUBOTA ENGINE MANUAL. |
| S    | A810009     | FUEL LEVEL SENDER           |      |                           |
| T    | -           | BEACON CONNECTION           |      |                           |
| U    | -           | ENGINE OIL PRESSURE SENDER  |      | SEE KUBOTA ENGINE MANUAL. |
| V    | -           | STARTER MOTOR               |      | SEE KUBOTA ENGINE MANUAL. |
| W    | A809088     | HYD. PUMP OIL FILTER SENDER |      |                           |
| X    | -           | ALTERNATOR                  |      | SEE KUBOTA ENGINE MANUAL. |
| Y    | -           | KEY SWITCH                  |      | SEE KUBOTA ENGINE MANUAL. |
| Z    | -           | SEAT SWITCH CONNECTION      |      |                           |
| AA   | -           | CONNECTOR 4WD REVERSE       |      |                           |
| AB   | A801052     | TRANSMISSION VALVE SOLENOID |      |                           |
| AC   | -           | FUEL PUMP                   |      | SEE KUBOTA ENGINE MANUAL. |
| AD   | -           | ENGINE STOP SOLENOID        |      |                           |
| AE   | -           | ENGINE EARTH                |      |                           |
| AF   | -           | INSTRUMENT PANAL CONNECTION |      |                           |

## ELECTRICAL (Analog Display)



| ITEM  | PART NO.  | DESCRIPTION                  | QTY. | REMARKS     |
|-------|-----------|------------------------------|------|-------------|
| AG    |           | BATTERY TYPE 665             |      |             |
| AJ    | -         | RH 4WD REVERSE VALVE         |      |             |
| AK    | -         | LH 4WD REVERSE VALVE         |      |             |
| AL    | -         | SINGLE UNIT CUTTING SOLENOID |      |             |
| AM    | J3007392  | PROXIMITY SWITCH             |      |             |
| AN    | 008244730 | SINGLE UNIT CUTTING RELAY    |      |             |
| AP    | -         | EARTH                        |      |             |
|       |           | <b>LIGHTING KIT</b>          |      |             |
| L1    | A905061   | EC HEADLIGHT - UK            | 2    |             |
| L1    | A905063   | EC HEADLIGHT - EUROPE        | 2    |             |
| *     | A905771   | EC HEADLIGHT HARNESS         | 4    | 2 PER LIGHT |
| *     | A905062   | HALOGEN BULB FOR EC LIGHTS   | 2    | 1 PER LIGHT |
| L2*   | A823176   | LIGHT BULB - BS NO. 382      | 4    |             |
| L6    | A905675   | HARNESS, HEADLAMP            | 2    |             |
| L7    | A823134   | SIDELIGHT FRONT              | 2    |             |
| L8    | 008233480 | LIGHT (REAR) LH              | 1    |             |
|       | 008233490 | LIGHT (REAR) RH              | 1    |             |
|       | 008231764 | • BULB BS No. 382            | 2    |             |
|       | 008232990 | • BULB BS No. 245            | 1    |             |
| L9    | A900676   | HARNESS, SIDELAMP            | 4    |             |
| L13*  | A295001   | BUSH, STRAIN RELIEF          | 1    |             |
| L26   | A829533   | ROCKER SWITCH                | 1    |             |
| L27   | A829552   | LENS INSERT HEAD/SIDE        | 1    |             |
| L28   | A829572   | ROCKER SWITCH                | 1    |             |
| L29   | A829573   | LENS DIRECTION INDICATOR     | 1    |             |
| L30   | A829525   | HAZARD SWITCH                | 1    |             |
| L31   | A829558   | HAZARD LENS INSERT           | 1    |             |
| L105  | MBE4472C  | LAMP ARM LH.                 | 1    |             |
| L106  | MBE4478C  | LAMP ARM RH.                 | 1    |             |
| L107* | 450040    | BOLT, M10 x 90, HEX HD       | 2    |             |
| L108* | A292083   | DISC SPRING WASHER           | 4    |             |
| L109* | 450391    | WASHER, M10                  | 2    |             |
| L110* | 450379    | NUT, M10 NYLOC               | 2    |             |
| L111  | MBE4534   | HOOK W/ASSY.                 | 2    |             |
| L112  | A291013   | COMPRESSION SPRING.          | 2    |             |
| L113* | 450378    | NUT, M8 NYLOC                | 2    |             |
| L114* | 450168    | SCREW, M6 x 12, HEX HD       | 2    |             |
| L115* | 450323    | NUT, M6                      | 2    |             |
| L117  | MBF2209   | LAMP BRACKET WELDMENT.       | 2    |             |
| L118  | MBG6338   | LAMP COVER WELDMENT.         | 2    |             |
| L119* | 450542    | SCREW, M6 x 20, PAN HD       | 6    |             |
| L120* | 450410    | S.L.WASHER, M6               | 6    |             |

## ELECTRICAL (Analog Display)



| ITEM  | PART NO.  | DESCRIPTION            | QTY. | REMARKS |
|-------|-----------|------------------------|------|---------|
| L121* | 450389    | WASHER, M6             | 6    |         |
| L122* | 450323    | NUT, M6                | 6    |         |
| L123* | 450539    | SCREW, M6 x 12, PAN HD | 8    |         |
| L124* | 450389    | WASHER, M6             | 8    |         |
| L131* | A199211   | TIE, 140 x 3.6         | 6    |         |
| L132* | H499802   | CABLE TIE              | 6    |         |
| L133* | A199232   | CABLE TIE BASE         | 2    |         |
| L141* | MBG3716DG | ASSEMBLY DRAWING       | 1    |         |
| L142* | MBG3717DG | ASSEMBLY INSTRUCTIONS  | 1    |         |

## HYDRAULIC TRACTION CIRCUIT WITH REV 4WD KIT & BRAKE CIRCUIT



| ITEM  | PART NO.  | DESCRIPTION                     | QTY. | REMARKS                           |
|-------|-----------|---------------------------------|------|-----------------------------------|
| 3001  | A800761   | PUMP SUNDSTRAND M46 S           | 1    |                                   |
| 3005  | 4165856   | TANDEM PUMP 23cc+6cc+P          | 1    |                                   |
| 3012  | A800724   | 280CC PISTON WHEEL MOT          | 2    | to S/N GC000390                   |
| 3012  | 4228800   | Kit-Front Wheel Motor           | 2    | from S/N GC000390                 |
| *     | 4229520   | • Motor Seal Kit                | 1    |                                   |
| *     | 4229521   | • Multi-Disc Brake Seal Kit     | 1    |                                   |
| *     | 4228802   | Capscrew-Sckt M14-1.5 x 30      | 8    | Motor to Axle - from S/N GC000390 |
| 3016  | A800760   | MOTOR HYDRAULIC                 | 2    |                                   |
| 3100  | A801248   | TRANSMISSION VALVE              | 1    |                                   |
| 3140  | A8011120  | SOLENOID VALVE                  | 1    |                                   |
| 3160  | A802834   | HYDRAULIC VALVE                 | 2    |                                   |
| 3165  | A801121   | CHECK VALVE                     | 1    |                                   |
| 3195  | 008089620 | FILTER ELEMENT                  | 1    |                                   |
| F001  | 158006-07 | FTG-ORB/ORS                     | 4    |                                   |
| F004  | 4177122   | 45-M/M 9/16 ORFS x 7/16 SAE     | 2    |                                   |
| F005  | 69056-01  | TEE-BLKHD/M/M 1-3/16 O          | 1    |                                   |
| F006  | 4177126   | MANIFOLD-9/16(4)x11/16 (1)ORFS  | 1    |                                   |
| F009  | 158006-15 | FTG-9/16 ORFS x 9/16 SAE        | 2    | To S/N GC000390                   |
| F009  | 158006-13 | Ftg-M/M 11/16 ORFS x 3/4 SAE    | 2    | From S/N GC000390                 |
| F010  | 158006-11 | FTG-M/M 1 ORS x 1-1/1           | 4    | To S/N GC000390                   |
| F010  | 158006-07 | Ftg-M/M 1 ORFS x 7/8 SAE        | 4    | From S/N GC000390                 |
| F011  | A252501   | 90-M/M 9/16 ORSx9/16            | 2    |                                   |
| F024  | 158006-08 | FTG-M/M 1-3/16 ORS x            | 2    |                                   |
| F028  | A241032   | 90-M/M 7/16 JIC x 9/16          | 1    |                                   |
| F029  | 158007-08 | 90-M/M 1-3/16 ORS x 1           | 1    |                                   |
| F030  | A249887   | TEE-M/F/M 1-3/16 ORS            | 1    |                                   |
| F032  | 158007-08 | 90-M/M 1-3/16 ORS x 1           | 2    |                                   |
| F033  | 69057-02  | TEE-M/M/F 1-3/16 ORS            | 2    |                                   |
| F038  | 249899    | CAP-F/F 1-3/16 ORS              | 2    |                                   |
| F040  | 459100236 | 3/8 BSP PLUGS. PAR              | 2    |                                   |
| F041  | 2590710   | 90-M/M 3/8 BSP x 9/16 ORFS      | 4    |                                   |
| F042  | GSF2571AC | ADAPTOR GSF2571AC               | 2    |                                   |
| F044  | 4177550   | MANIFOLD-9/16 ORFS (3)          | 1    |                                   |
| F045* | A241006   | 90-M/M 3/4 JIC x 3/4            | 1    |                                   |
| F050  | 69055-02  | 90 BLKHD-M/M 7/8 JIC            | 4    |                                   |
| F052  | 4140337   | 90 BLKHD-M/M 7/16 JIC           | 3    |                                   |
| F053  | 4177127   | MANIFOLD-9/16(3) x 11/16(2)ORFS | 1    |                                   |
| F054  | 4177128   | TEE-F/M/M 11/16(2) x 9/16 ORFS  | 1    |                                   |
| F059* | A243505   | TEE-M/F/M 9/16 JIC              | 3    |                                   |
| F061* | A810959   | COPPER WASHER                   | 1    |                                   |
| F068  | A797109   | PILOT LINE ASSY                 | 2    |                                   |
| F068  | A797112   | PILOT LINE (3/16)               | 2    |                                   |
| F075* | A192516   | HOSE CLAMP, 6-16                | 2    |                                   |
| F077  | 002590480 | TEE-M/F/M 9/16ORFS              | 6    |                                   |
| F080* | A192914   | DOUBLE WIRE HOSE CLIP           | 1    |                                   |
| F105  | 2590450   | 90-M/F 9/16 ORFS x 9/16 ORFS    | 2    |                                   |
| F110  | A243403   | TEE-M/M/F 7/16 JIC              | 3    |                                   |
| F111  | 2590480   | TEE-M/F/M 9/16ORFS              | 3    |                                   |
| F114  | GSF2570AB | STRAIGHT CONNECTOR GS           | 1    |                                   |
| F115* | GSF2571AT | STRAIGHT CONNECTOR GS           | 2    |                                   |
| F118* | A249800   | FTG-LG 1/4 BSPP x 7/16 JIC      | 2    |                                   |

## HYDRAULIC TRACTION CIRCUIT WITH REV 4WD KIT & BRAKE CIRCUIT

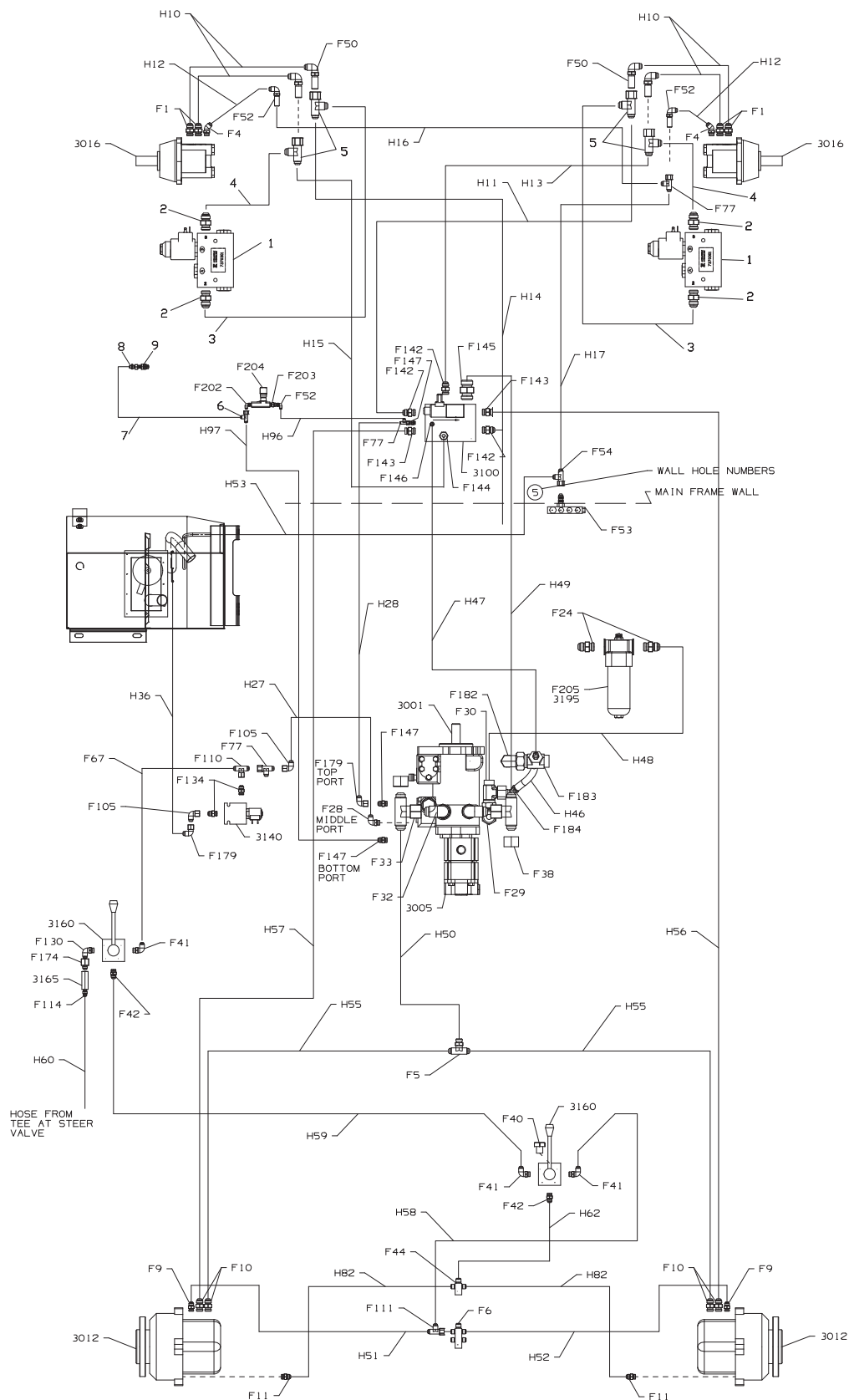




| ITEM  | PART NO.   | DESCRIPTION                   | QTY. | REMARKS                                |
|-------|------------|-------------------------------|------|--|
| F119* | 158007-01  | 90-M/M 11/16ORFS x 9/16 SAE   | 1    |  |
| F124* | A249740    | 90-M/M 1/8 BSP x 1/4 BSP      | 1    |  |
| F130  | A249333    | 90-M/M 3/8BSPP x 9/16 JIC     | 1    |  |
| F134  | 158006-15  | FTG-9/16 ORFS x 9/16 SAE      | 1    |  |
| F142  | A240007    | FTG-7/8 JIC x 7/8 SAE         | 3    |  |
| F143  | W158006-07 | FTG-M/M 1 ORS x 7/8 SAE       | 2    |  |
| F144  | A241007    | 90-M/M 7/8 JIC x 7/8 SAE      | 1    |  |
| F145  | W158006-08 | M/M 1-3/16 ORS x 1-1/16 SAE   | 1    |  |
| F146  | 158006-01  | FTG-11/16 ORFS x 9/16 SAE     | 1    |  |
| F147  | 158006-15  | FTG-9/16 ORFS x 9/16 SAE      | 3    |  |
| F165* | A192522    | HOSE CLAMP, 8-22              | 1    |  |
| F166* | A192540    | HOSE CLAMP, 19-40             | 4    |  |
| F167* | A192557    | HOSE CLAMP, 34-57             | 3    |  |
| F168* | A192570    | HOSE CLAMP, 23-70             | 1    |  |
| F174  | 4177129    | FTG-M/F 1/4 BSPP x 11/16 ORFS | 1    |  |
| F179  | 2590450    | 90-M/F 9/16 ORFS x 9/16 ORFS  | 2    |  |
| F180* | W158061-04 | O-RING 3.237 ID x .103 SECT   | 1    | 3001 TO 3005                           |
| F182  | 4177134    | 90-M/M/M                      | 1    | 13/16 ORFS x 1-71/16 ORFS X 1-1/16 SAE |
| F183  | 4177131    | CROSS-1-7/16 x 11/16 x 1 ORFS | 1    |  |
| F184  | A259100    | 45-F/M 1-3/8 ORS x 1/2 BARB   | 1    |  |
| F194* | 2590080    | 90-M/F 1 ORFS x 1 ORFS        | 2    |  |
| F196* | 459100888  | HYDRAULIC ADAPTOR             | 1    |  |
| F198* | A260032    | 90-M/M 9/16 SAE x 9/16 JIC    | 1    |  |
| F199* | A241032    | 90-M/M 7/16 JIC x 9/16 SAE    | 3    |  |
| F202  | A259075    | FTG-M/M 1/4 BSP x 9/16 ORFS   | 1    |  |
| F203  | 002590740  | FTG M/F 1/4 BSP x 9/16 ORFS   | 1    |  |
| F204  | A801259    | NEEDLE VALVE                  | 1    |  |
| F205  | 008089610  | OIL FILTER                    | 1    |  |
| *     | 48396      | HOSE CLAMP                    | 4    |  |
| H10   | 4177320-11 | HYDRAULIC HOSE                | 4    |  |
| H11   | 4177320-03 | HOSE ASSEMBLY                 | 1    |  |
| H12   | 4177625-04 | HYDRAULIC HOSE                | 2    |  |
| H13   | 4177320-17 | HOSE ASSEMBLY                 | 1    |  |
| H14   | 4177320-04 | HOSE ASSEMBLY                 | 1    |  |
| H15   | 4177320-13 | HOSE ASSEMBLY                 | 1    |  |
| H16   | 4140351    | HOSE ASSEMBLY                 | 1    |  |
| H17   | 4177625-11 | HOSE ASSEMBLY                 | 1    |  |
| H27   | 4177625-09 | HOSE ASSEMBLY                 | 1    |  |
| H28   | 4177625-06 | HOSE ASSEMBLY                 | 1    |  |
| H36   | A796200    | HOSE ASSY                     | 1    |  |
| H46   | A799782    | HOSE                          | 1    |  |
| H47   | 4177625-14 | HOSE ASSEMBLY                 | 1    |  |
| H48   | A799777    | HOSE ASSEMBLY                 | 1    |  |
| H49   | A799780    | HOSE ASSEMBLY                 | 1    |  |
| H50   | A799779    | HOSE ASSEMBLY                 | 1    |  |
| H51   | 4177625-13 | HOSE ASSEMBLY                 | 1    | To S/N GC000390                        |
| H51   | 4239864    | Hose-Front Motor Drain        | 1    | From S/N GC000390                      |
| H52   | 4177625-13 | HOSE ASSEMBLY                 | 1    | To S/N GC000390                        |
| H52   | 4239864    | Hose-Front Motor Drain        | 1    | From S/N GC000390                      |
| H53   | A799729    | HYDRAULIC HOSE ASSY           | 1    |  |

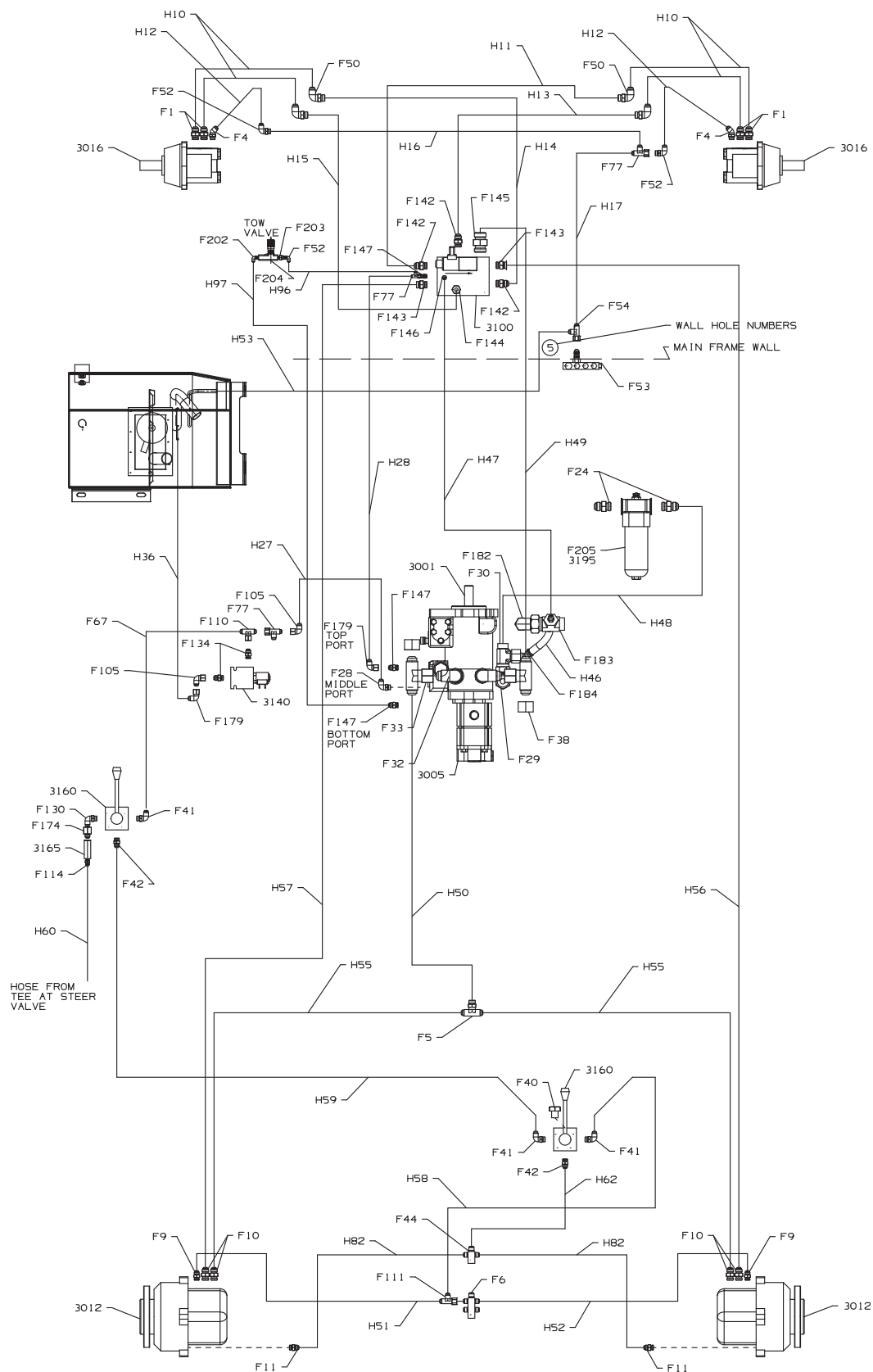
# RANSOMES COMMANDER 3520

## HYDRAULIC TRACTION CIRCUIT WITH REV 4WD KIT & BRAKE CIRCUIT



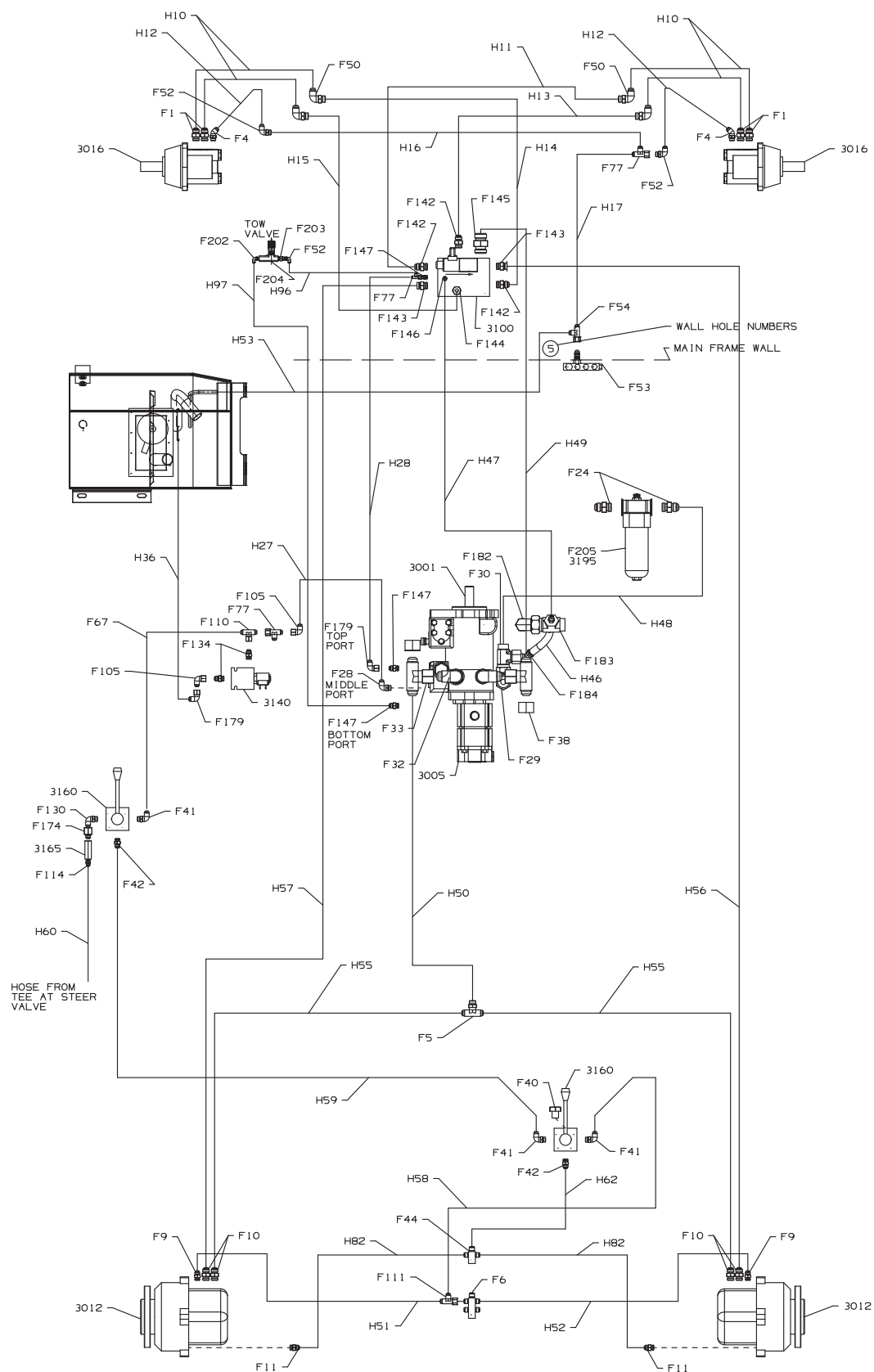
| ITEM | PART NO.   | DESCRIPTION            | QTY. | REMARKS   |
|------|------------|------------------------|------|---|
| H55  | A799778    | HOSE ASSEMBLY          | 2    |   |
| H56  | A799767    | HOSE ASSEMBLY          | 1    |   |
| H57  | A799768    | HOSE ASSEMBLY          | 1    |   |
| H58  | A799431A   | HOSE ASSEMBLY          | 1    |   |
| H59  | 4177625-02 | HOSE ASSY              | 1    |   |
| H60  | 4177625-01 | HOSE ASSY              | 1    |   |
| H62  | A799431    | HOSE ASSY              | 1    |   |
| H79* | H980031    | P CLIP                 | 6    |   |
| H82  | 4177625-16 | HYDRAULIC HOSE         | 2    |   |
| H90* | A298401    | HOSE SLEEVING          | 5    |   |
| H96  | 4177625-12 | HOSE ASSEMBLY          | 1    |   |
| H97  | 4177625-05 | HOSE ASSEMBLY          | 1    |   |
|      |            | 4WD REVERSING KIT      |      |   |
| 1    | 008012690  | REAR WHEEL DRIVE VALVE | 2    | UNDER CHECK VALVES IN A801248<br>TRANSMISSION VALVE |
| 2    | 4163528    | STRAIGHT CONNECTOR     | 4    |   |
| 3    | 4177320-11 | HYDRAULIC HOSE         | 2    |   |
| 4    | 007998590  | HYDRAULIC HOSE         | 2    |   |
| 5    | 158010-02  | TEE M/F/M 1 ORFS       | 4    |   |
| *    | 002600940  | CAVITY PLUG            | 2    |   |
|      |            | BRAKE LIGHT KIT        |      |   |
| 6    | 158010-02  | TEE M/F/M 1 ORFS       | 1    |   |
| 7    | 007998040  | HOSE                   | 1    |   |
| 8    | 002600580  | BULKHEAD FITTING       | 1    |   |
| 9    | 002600570  | HYD. PRESSURE SWITCH   | 1    |   |

## HYDRAULIC TRACTION / BRAKE CIRCUIT



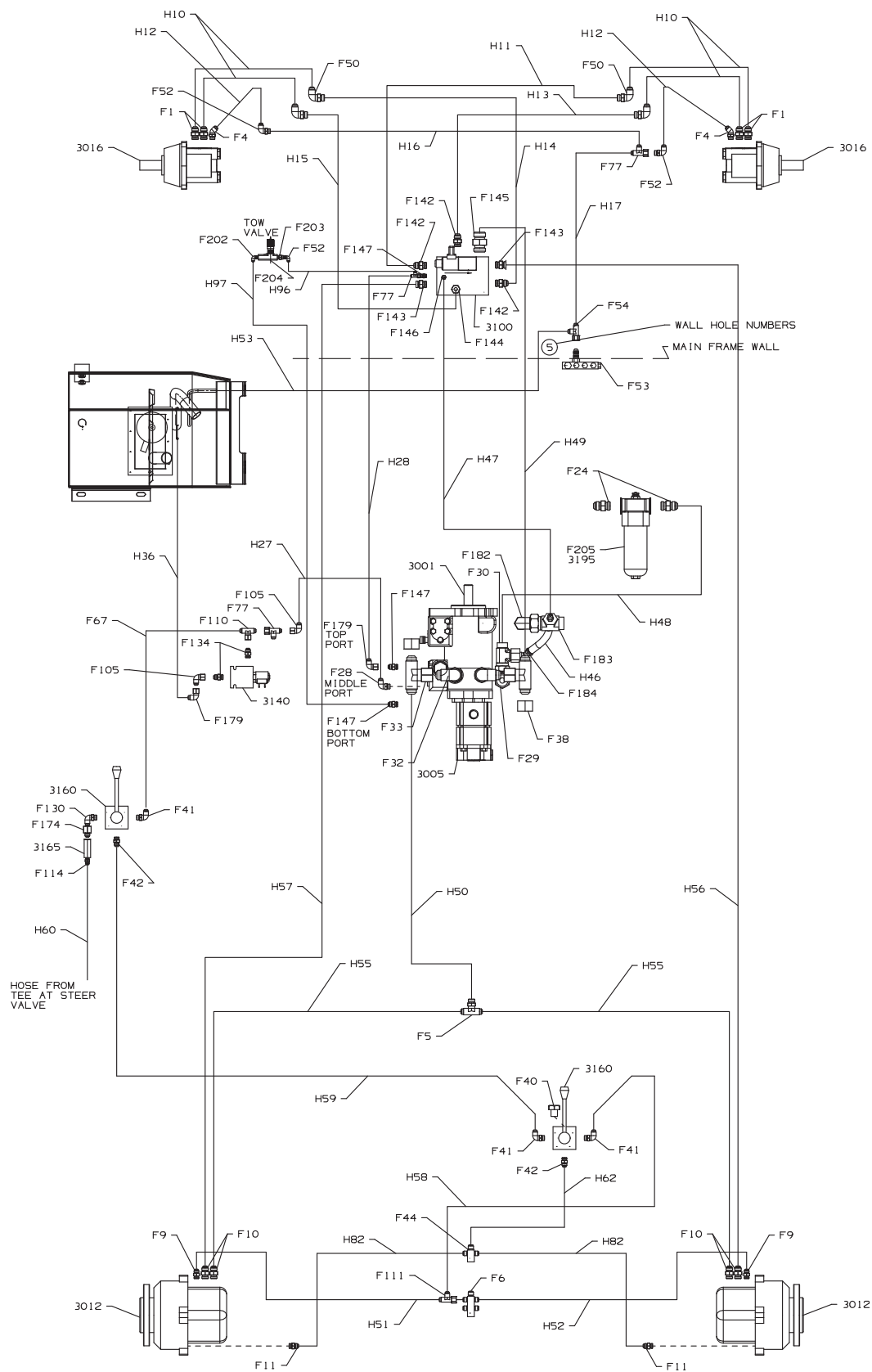
| ITEM  | PART NO.  | DESCRIPTION                     | QTY. | REMARKS                           |
|-------|-----------|---------------------------------|------|-----------------------------------|
| 3001  | A800761   | PUMP SUNDSTRAND M46 S           | 1    |                                   |
| 3005  | 4165856   | TANDEM PUMP 23cc+6cc+P          | 1    |                                   |
| 3012  | A800724   | 280CC PISTON WHEEL MOT          | 2    | to S/N GC000390                   |
| 3012  | 4228800   | Kit-Front Wheel Motor           | 2    | from S/N GC000390                 |
| *     | 4229520   | • Motor Seal Kit                | 1    |                                   |
| *     | 4229521   | • Multi-Disc Brake Seal Kit     | 1    |                                   |
| *     | 4228802   | Capscrew-Sckt M14-1.5 x 30      | 8    | Motor to Axle - from S/N GC000390 |
| 3016  | A800760   | MOTOR HYDRAULIC                 | 2    |                                   |
| 3100  | A801248   | TRANSMISSION VALVE              | 1    |                                   |
| 3140  | A8011120  | SOLENOID VALVE                  | 1    |                                   |
| 3160  | A802834   | HYDRAULIC VALVE                 | 2    |                                   |
| 3165  | A801121   | CHECK VALVE                     | 1    |                                   |
| 3195  | A808962   | FILTER ELEMENT                  | 0    |                                   |
| F001  | A240007   | FTG-7/8 JIC x 7/8 SAE           | 4    |                                   |
| F004  | 4177122   | 45-M/M 9/16 ORFS x 7/16 SAE     | 2    |                                   |
| F005  | 69056-01  | TEE-BLKHD/M/M 1-3/16 O          | 1    |                                   |
| F006  | 4177126   | MANIFOLD-9/16(4)x11/16 (1)ORFS  | 1    |                                   |
| F009  | 158006-15 | FTG-9/16 ORFS x 9/16 SAE        | 2    | To S/N GC000390                   |
| F009  | 158006-13 | Ftg-M/M 11/16 ORFS x 3/4 SAE    | 2    | From S/N GC000390                 |
| F010  | 158006-11 | FTG-M/M 1 ORS x 1-1/1           | 4    | To S/N GC000390                   |
| F010  | 158006-07 | Ftg-M/M 1 ORFS x 7/8 SAE        | 4    | From S/N GC000390                 |
| F011  | A252501   | 90-M/M 9/16 ORSx9/16            | 2    |                                   |
| F024  | 158006-08 | FTG-M/M 1-3/16 ORS x            | 2    |                                   |
| F028  | A241032   | 90-M/M 7/16 JIC x 9/16          | 1    |                                   |
| F029  | 158007-08 | 90-M/M 1-3/16 ORS x 1           | 1    |                                   |
| F030  | A249887   | TEE-M/F/M 1-3/16 ORS            | 1    |                                   |
| F032  | 158007-08 | 90-M/M 1-3/16 ORS x 1           | 2    |                                   |
| F033  | 69057-02  | TEE-M/M/F 1-3/16 ORS            | 2    |                                   |
| F038  | A249899   | CAP-F/F 1-3/16 ORS              | 2    |                                   |
| F040  | 459100236 | 3/8 BSP PLUGS. PAR              | 2    |                                   |
| F041  | 2590710   | 90-M/M 3/8 BSP x9/16 ORFS       | 4    |                                   |
| F042  | GSF2571AC | ADAPTOR GSF2571AC               | 2    |                                   |
| F044  | 4177550   | MANIFOLD-9/16 ORFS (3)          | 1    |                                   |
| F045* | A241006   | 90-M/M 3/4 JIC x 3/4            | 1    |                                   |
| F050  | A249766   | 90 BLKHD-M/M 7/8 JIC            | 4    |                                   |
| F052  | A249769   | 90 BLKHD-M/M 7/16 JIC           | 3    |                                   |
| F053  | 4177127   | MANIFOLD-9/16(3) x 11/16(2)ORFS | 1    |                                   |
| F054  | 4177128   | TEE-F/M/M 11/16(2) x9/16 ORFS   | 1    |                                   |
| F059* | A243505   | TEE-M/F/M 9/16 JIC              | 3    |                                   |
| F061* | A810959   | COPPER WASHER                   | 1    |                                   |
| F068  | A797112   | PILOT LINE (3/16)               | 2    |                                   |
| F075* | A192516   | HOSE CLAMP, 6-16                | 2    |                                   |
| F077  | 2590480   | TEE-M/F/M 9/16ORFS              | 6    |                                   |
| F080* | A192914   | DOUBLE WIRE HOSE CLIP           | 1    |                                   |
| F105  | 2590450   | 90-M/F 9/16 ORFS x 9/16 ORFS    | 2    |                                   |
| F110  | A243403   | TEE-M/M/F 7/16 JIC              | 3    |                                   |
| F111  | 2590480   | TEE-M/F/M 9/16ORFS              | 3    |                                   |
| F114  | GSF2570AB | STRAIGHT CONNECTOR GS           | 1    |                                   |
| F115* | GSF2571AT | STRAIGHT CONNECTOR GS           | 2    |                                   |
| F118* | A249800   | FTG-LG 1/4 BSPP x 7/16 JIC      | 2    |                                   |
| F119* | 158007-01 | 90-M/M 11/16ORFS x 9/16 SAE     | 1    |                                   |

## HYDRAULIC TRACTION / BRAKE CIRCUIT



| ITEM  | PART NO.   | DESCRIPTION                   | QTY. | REMARKS                                |
|-------|------------|-------------------------------|------|--|
| F124* | A249740    | 90-M/M 1/8 BSP x 1/4 BSP      | 1    |  |
| F130  | A249333    | 90-M/M 3/8BSPP x 9/16 JIC     | 1    |  |
| F134  | 158006-15  | FTG-9/16 ORFS x 9/16 SAE      | 1    |  |
| F142  | A240007    | FTG-7/8 JIC x 7/8 SAE         | 3    |  |
| F143  | 158006-07  | FTG-M/M 1 ORS x 7/8 SAE       | 2    |  |
| F144  | A241007    | 90-M/M 7/8 JIC x 7/8 SAE      | 1    |  |
| F145  | W158006-08 | M/M 1-3/16 ORS x 1-1/16 SAE   | 1    |  |
| F146  | 158006-01  | FTG-11/16 ORFS x 9/16 SAE     | 1    |  |
| F147  | 158006-15  | FTG-9/16 ORFS x 9/16 SAE      | 3    |  |
| F165* | A192522    | HOSE CLAMP, 8-22              | 1    |  |
| F166* | A192540    | HOSE CLAMP, 19-40             | 4    |  |
| F167* | A192557    | HOSE CLAMP, 34-57             | 3    |  |
| F168* | A192570    | HOSE CLAMP, 23-70             | 1    |  |
| F174  | 4177129    | FTG-M/F 1/4 BSPP x 11/16 ORFS | 1    |  |
| F179  | 2590450    | 90-M/F 9/16 ORFS x 9/16 ORFS  | 2    |  |
| F180* | 158061-04  | O-RING 3.237 ID x .103 SECT   | 1    | 3001 TO 3005                           |
| F182  | 4177134    | 90-M/M/M                      | 1    | 13/16 ORFS x 1-71/16 ORFS X 1-1/16 SAE |
| F183  | 4177131    | CROSS-1-7/16 x 11/16 x 1 ORFS | 1    |  |
| F184  | A259100    | 45-F/M 1-3/8 ORS x 1/2 BARB   | 1    |  |
| F194* | 2590080    | 90-M/F 1 ORFS x 1 ORFS        | 2    |  |
| F196* | 459100888  | HYDRAULIC ADAPTOR             | 1    |  |
| F198* | A260032    | 90-M/M 9/16 SAE x 9/16 JIC    | 1    |  |
| F199* | A241032    | 90-M/M 7/16 JIC x 9/16 SAE    | 3    |  |
| F202  | A259075    | FTG-M/M 1/4 BSP x 9/16 ORFS   | 1    |  |
| F203  | 002590740  | FTG M/F 1/4 BSP x 9/16 ORFS   | 1    |  |
| F204  | A801259    | NEEDLE VALVE                  | 1    |  |
| F205  | A808961    | OIL FILTER                    | 1    |  |
| H10   | A792560    | HYDRAULIC HOSE                | 4    |  |
| H11   | A799769    | HOSE ASSEMBLY                 | 1    |  |
| H12   | A791208    | HYDRAULIC HOSE                | 2    |  |
| H13   | A799770    | HOSE ASSEMBLY                 | 1    |  |
| H14   | A799771    | HOSE ASSEMBLY                 | 1    |  |
| H15   | A799772    | HOSE ASSEMBLY                 | 1    |  |
| H16   | A799773    | HOSE ASSEMBLY                 | 1    |  |
| H17   | A799774    | HOSE ASSEMBLY                 | 1    |  |
| H27   | 4177625-09 | HOSE ASSEMBLY                 | 1    |  |
| H28   | 4177625-06 | HOSE ASSEMBLY                 | 1    |  |
| H36   | A796200    | HOSE ASSY                     | 1    |  |
| H46   | A799782    | HOSE                          | 1    |  |
| H47   | 4177625-14 | HOSE ASSEMBLY                 | 1    |  |
| H48   | A799777    | HOSE ASSEMBLY                 | 1    |  |
| H49   | A799780    | HOSE ASSEMBLY                 | 1    |  |
| H50   | A799779    | HOSE ASSEMBLY                 | 1    |  |
| H51   | 4177625-13 | HOSE ASSEMBLY                 | 1    | To S/N GC000390                        |
| H51   | 4239864    | Hose-Front Motor Drain        | 1    | From S/N GC000390                      |
| H52   | 4177625-13 | HOSE ASSEMBLY                 | 1    | To S/N GC000390                        |
| H52   | 4239864    | Hose-Front Motor Drain        | 1    | From S/N GC000390                      |
| H53   | A799729    | HYDRAULIC HOSE ASSY           | 1    |  |
| H55   | A799778    | HOSE ASSEMBLY                 | 2    |  |

## HYDRAULIC TRACTION / BRAKE CIRCUIT





| ITEM | PART NO.   | DESCRIPTION    | QTY. | REMARKS |
|------|------------|----------------|------|---------|
| H56  | A799767    | HOSE ASSEMBLY  | 1    |         |
| H57  | A799768    | HOSE ASSEMBLY  | 1    |         |
| H58  | A799431A   | HOSE ASSEMBLY  | 1    |         |
| H59  | 4177625-02 | HOSE ASSY      | 1    |         |
| H60  | 4177625-01 | HOSE ASSY      | 1    |         |
| H62  | A799431    | HOSE ASSY      | 1    |         |
| H79* | H980031    | P CLIP H980    | 6    |         |
| H82  | 4177625-16 | HYDRAULIC HOSE | 2    |         |
| H90* | A298401    | HOSE SLEEVING  | 5    |         |
| H96  | 4177625-12 | HOSE ASSEMBLY  | 1    |         |
| H97  | 4177625-05 | HOSE ASSEMBLY  | 1    |         |

## HYDRAULIC COOLING CIRCUIT

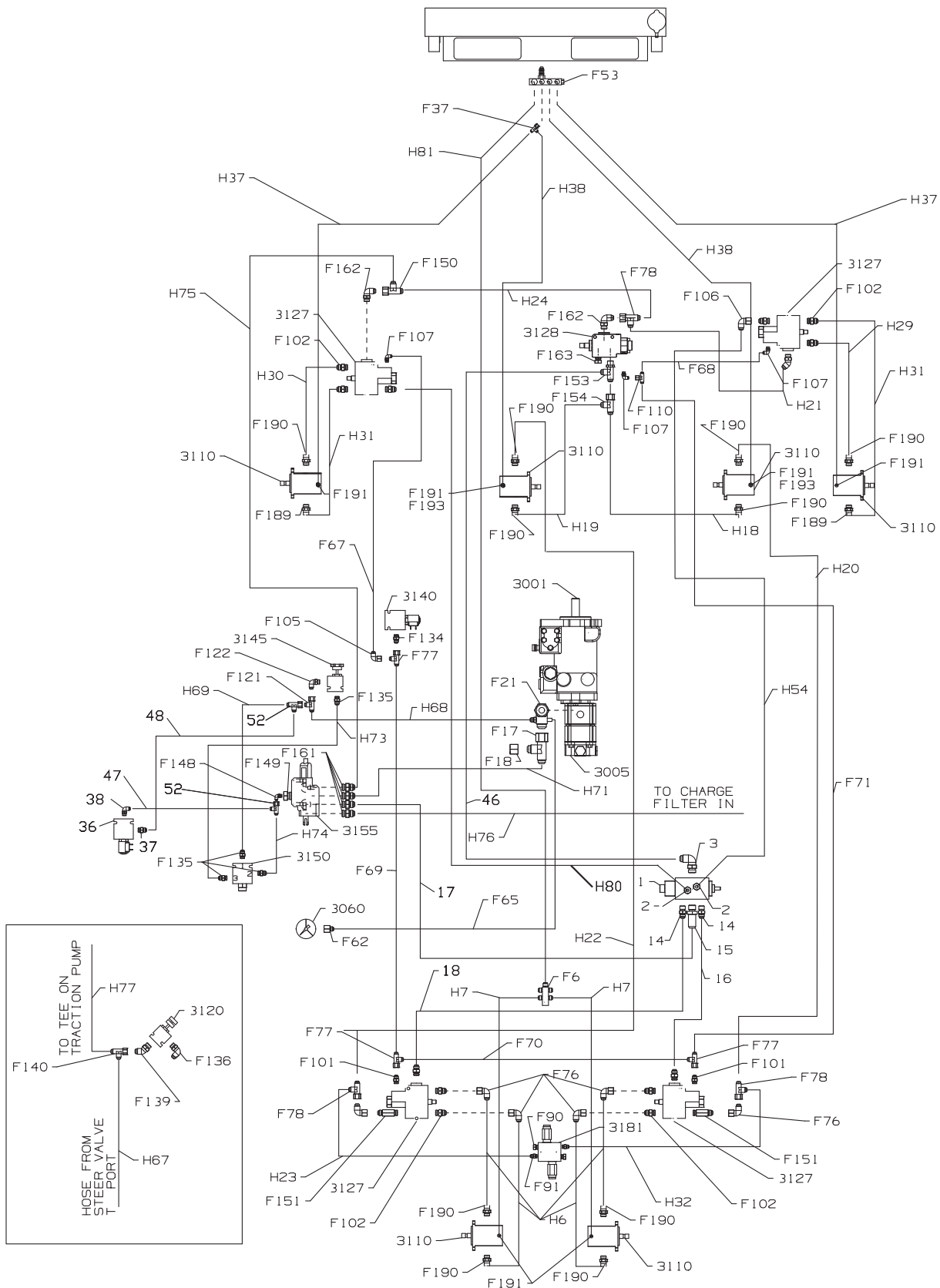


| ITEM  | PART NO.   | DESCRIPTION                    | QTY. | REMARKS                  |
|-------|------------|--------------------------------|------|--------------------------|
| 3008  | A912157    | SUCTION HOSE                   | 1    |                          |
| 3100  | A801248    | TRANSMISSION VALVE             | 1    |                          |
| *     | 002301300  | • SEAL KIT                     | 1    |                          |
| 3120  | A801125    | WEIGHT TRANSFER VALVE          | 1    |                          |
| 3130  | 2208038    | FILTER HEAD-SPIN ON            | 1    |                          |
| 3131  | 178025     | OIL FILTER ELEMENT             | 1    |                          |
| 3140  | A8011120   | SOLENOID VALVE                 | 1    |                          |
| 3171  | A912194    | SUCTION HOSE                   | 1    |                          |
| 3173  | A691142    | OIL COOLER                     | 1    |                          |
| 3177  | A912188    | RETURN HOSE                    | 1    |                          |
| 3178  | A912189    | RETURN HOSE                    | 1    |                          |
| F015  | 108094-01  | HOSE CLAMP .75 TO 1.75         | 4    |                          |
| F016  | 48383      | CLAMP-HOSE 2-1/2 DIA.          | 2    |                          |
| F022  | 158058-08  | 90-M/M 1-7/8 SAE x 1.50 BARB   | 1    |                          |
| F023  | 158006-12  | FTG-M/M 2 ORS x 1-7/8 SAE      | 1    |                          |
| F026  | A249898    | PLUG-M/F 1-1/16 SAE x 1/4 BSPP | 1    |                          |
| F027  | A249740    | 90-M/M 1/8 BSP x 1/4 BSP       | 2    |                          |
| F031  | A260007    | 90-M/M 1-5/16 SAE x 29mm BARB  | 1    |                          |
| F032  | 158007-08  | 90-M/M 1-3/16 ORS x 1-5/16 SAE | 2    |                          |
| F033  | 69057-02   | TEE-M/M/F 1-3/16 ORS           | 2    |                          |
| F035  | A910063    | MANIFOLD-INLET                 | 1    |                          |
| F038  | A249899    | CAP-F/F 1-3/16 ORS x 1/4 BSPP  | 2    |                          |
| F063  | A808037    | GAUGE LINE ASSEMBLYA80         | 1    |                          |
| F064  | A808038    | GAUGE LINE ASSEMBLYA80         | 2    |                          |
| F066  | 2449110    | TEST POINT-1/8 BSPP            | 5    |                          |
| F072  | A808045    | GAUGE LINE ASSY.               | 2    |                          |
| F079  | A192532    | HOSE CLAMP, 13-32              | 11   |                          |
| F082  | A249704    | BREATHER x 1/4 BARB            | 1    |                          |
| F110  | A243403    | TEE-M/M/F 7/16 JIC             | 3    |                          |
| F129  | 4177132    | 90-M/M/M                       | 1    | 1/8BSPPX11/16ORFSX7/8SAE |
| F134  | 158006-15  | FTG-9/16 ORFS x 9/16 SAE       | 1    |                          |
| F136  | 158007-10  | 90-M/M 11/16ORFS x 3/4 SAE     | 1    |                          |
| F139  | 158059-03  | 45-M/M 13/16 ORFS x 3/4 SAE    | 1    |                          |
| F140  | A260019    | SWIVEL NUT BRANCH CROSS        | 1    |                          |
| F156  | 4177130    | TEE-M/F/M 9/16ORFS(2)x1/8BSPP  | 1    |                          |
| F181  | A260026    | 45-F/M 1-7/16 ORS x 1-1/4 BARB | 1    |                          |
| F186* | A199201    | TIE, 12.7 x 230                | 2    |                          |
| F187  | 108094-01  | HOSE CLAMP .75 TO 1.75         | 2    |                          |
| F200  | A260051    | HOSE CONNECTOR                 | 2    |                          |
| F201  | A808982    | HOSE CLAMP                     | 6    |                          |
| H47   | 4177625-14 | HOSE ASSEMBLY                  | 1    |                          |
| H53   | A799729    | HYDRAULIC HOSE ASSY            | 1    |                          |
| H77   | 4177624-04 | HOSE ASSEMBLY                  | 1    |                          |
| H91   | 005320153  | HOSE 1-1/4 BORE X 1530mm       | 1    |                          |
| *     | 4206183    | Hose 1-1/4 Bore x 640mm        | 1    | from SN CGxxxxxx         |
| H92   | 005320084  | HOSE 1-1/4 BORE X 840mm        | 1    |                          |

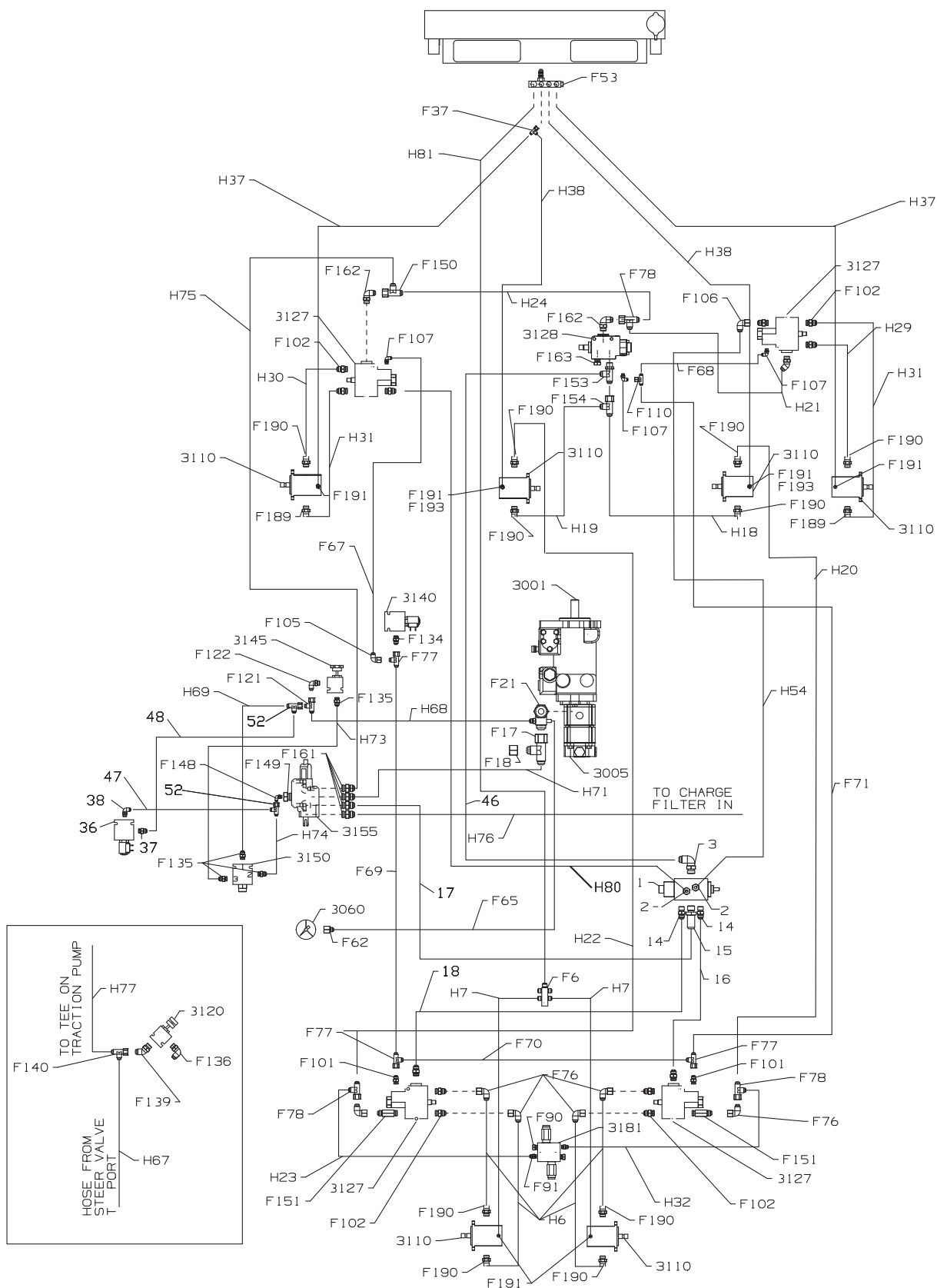


| ITEM  | PART NO.  | DESCRIPTION                     | QTY. | REMARKS |
|-------|-----------|---------------------------------|------|---------|
| 3001  | A800761   | PUMP SUNDSTRAND M46             | 1    | SERVO   |
| 3005  | 4165856   | TANDEM PUMP 23cc+6cc+PFD        | 1    |         |
| 3060  | A810941   | PRESSURE GAUGE                  | 1    |         |
| 3110  | 4155520   | GEARMOTOR+MALE SPL.SHFT.        | 6    |         |
| 3120  | A801125   | WEIGHT TRANSFER VALVE           | 1    |         |
| 3127  | 4155522   | DIVERTER VALVE 4 PORT PILOT     | 4    |         |
| 3128  | A801250   | DIVERTER VALVE 3PORT PILOT      | 1    |         |
| 3140  | A801112   | SOLENOID VALVE                  | 1    |         |
| 3145  | 2208046   | VALVE BLOCK-BACK PRESSUR        | 1    |         |
| 3150  | A801126   | PRESSURE COMPENSATOR VALVE      | 1    |         |
| 3155  | A801252   | DIRECTIONAL CONTROL VALVE       | 1    |         |
| 3181  | A801258   | CROSSLINE RELIEF                | 1    |         |
| F006  | A249777   | MANIFOLD-7/16JIC(4)x9/16JIC     | 1    |         |
| F017  | A243508   | TEE-M/F/M 1-1/16 JIC            | 1    |         |
| F018  | A244808   | CAP-1-1/16 JIC                  | 1    |         |
| F021  | 4177133   | 90-M/M/M/M                      | 1    |         |
| F037  | 2590480   | TEE-M/F/M 9/16ORFS              | 1    |         |
| F053  | 4177127   | MANIFOLD-9/16(4) x 11/16(2)ORFS | 1    |         |
| F062  | A249287   | FTG-M/F 1/8 BSP x 1/4 BSP       | 1    |         |
| F065  | A808043   | GAUGE LINE ASSY, 1060 LG        | 1    |         |
| F067  | A797110   | PILOT LINE ASSY                 | 1    |         |
| F068  | A797112   | PILOT LINE (3/16)               | 2    |         |
| F069  | A797106   | PILOT LINE ASSY                 | 1    |         |
| F070  | A797105   | PILOT LINE ASSY                 | 1    |         |
| F071  | A797107   | PILOT LINE ASSY                 | 1    |         |
| F076  | 2590450   | 90-M/F 9/16 ORFS x 9/16 ORFS    | 5    |         |
| F077  | 2590480   | TEE-M/F/M 9/16ORFS              | 6    |         |
| F078  | 158010-02 | TEE M/F/M1 ORFS                 | 5    |         |
| F090  | 002444050 | PLUG-9/16 SAE                   | 2    |         |
| F091  | 4140343   | FTG-7/8 JIC X 9/16 SAE          | 2    |         |
| F101  | A240003   | FTG-7/16 JIC x 7/16 SAE         | 1    |         |
| F102  | A240007   | FTG-7/8 JIC x 7/8 SAE           | 12   |         |
| F104* | A241007   | 90-M/M 7/8 JIC x 7/8 SAE        | 3    |         |
| F105  | 2590450   | 90-M/F 9/16 ORFS x 9/16 ORFS    | 2    |         |
| F106  | 2590080   | 90-M/F 1 ORFS x 1 ORFS          | 13   |         |
| F107  | 002525020 | 90-M/M 9/16 ORFS x 7/16 SAE     | 3    |         |
| F110  | A243403   | TEE-M/M/F 7/16 JIC              | 2    |         |
| F112* | A249312   | FTG-LG 7/8 JIC x 7/8 SAE        | 1    |         |
| F121  | A243505   | TEE-M/F/M 9/16 JIC              | 1    |         |
| F122  | 158007-10 | 90-M/M 11/16ORFS x 3/4 SAE      | 2    |         |
| F133  | A240003   | FTG-7/16 JIC x 7/16 SAE         | 2    |         |
| F134  | 158006-15 | FTG-9/16 ORFS x 9/16 SAE        | 1    |         |
| F135  | 158006-13 | FTG-11/16 ORFS x 3/4 SAE        | 5    |         |
| F136  | 158007-10 | 90-M/M 11/16ORFS x 3/4 SAE      | 1    |         |

## HYDRAULIC CUTTING UNIT CIRCUIT WITH SINGLE UNIT CUTTING

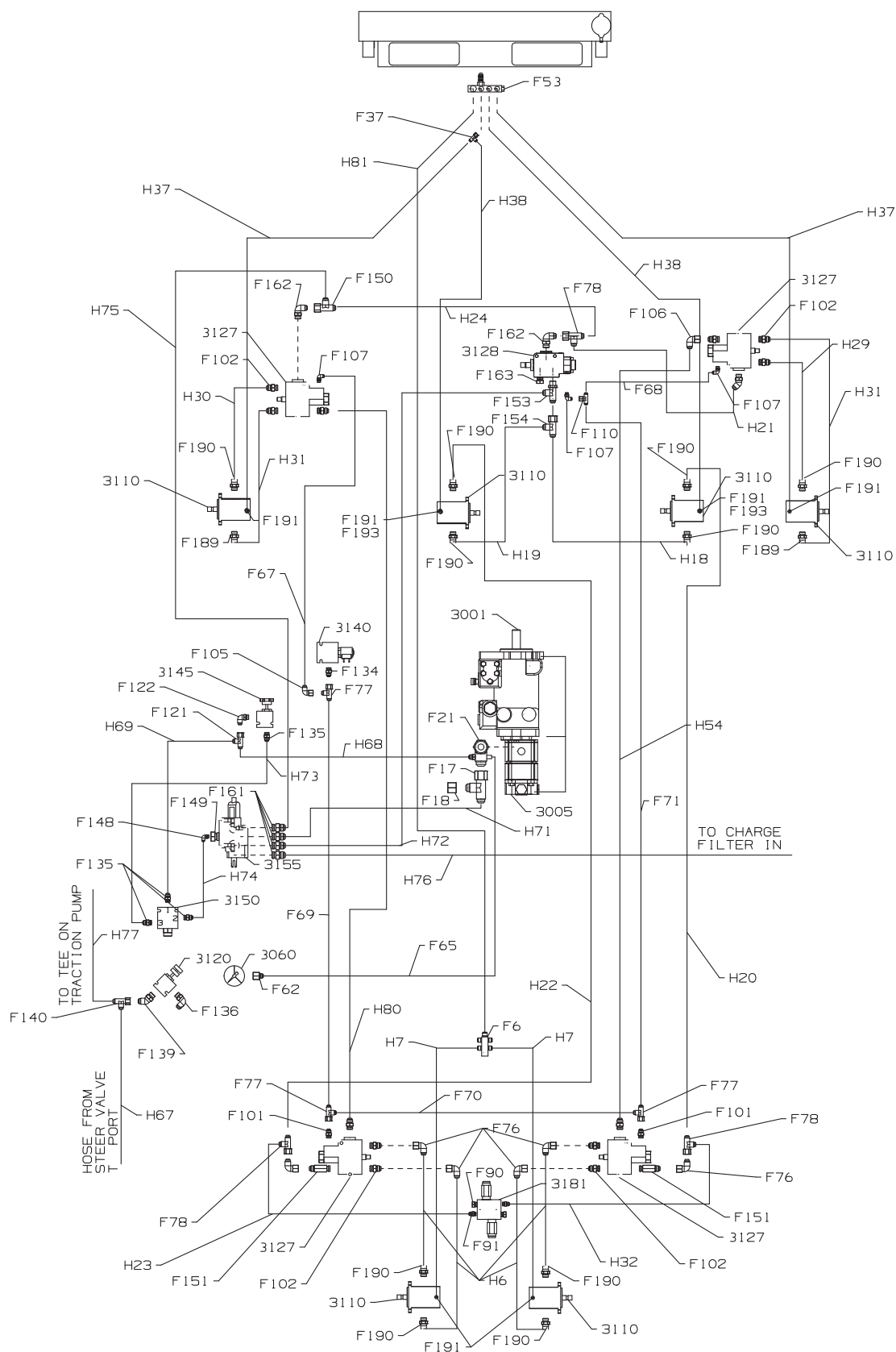


| ITEM | PART NO.   | DESCRIPTION                    | QTY. | REMARKS |
|------|------------|--------------------------------|------|---------|
| F139 | 158059-03  | 45-M/M 13/16 ORFS x 3/4 SAE    | 1    |         |
| F140 | 2498490    | TEE -M/F/M 13/16 ORFS          | 1    |         |
| F148 | 158007-10  | 90-M/M 11/16ORFS x 3/4 SAE     | 1    |         |
| F149 | A260056    | REDUCING BUSH 3/4 BSP          | 1    |         |
| F150 | 4177141    | 90 M/M 7/8 SAE x1 3/16 ORFS    | 1    |         |
| F151 | A249312    | FTG-LG 7/8 JIC x 7/8 SAE       | 3    |         |
| F153 | 4177135    | TEE M/M/M 7/8SAE X 1-3/16ORFS  | 1    |         |
| F154 | 2498870    | TEE-M/F/M 1-1/16 JIC           | 1    |         |
| F161 | 2498850    | FTG 3/4BSPc/w seal x 1 1/16JIC | 4    |         |
| F162 | A241007    | 90-M/M 7/8 JIC x 7/8 SAE       | 2    |         |
| F163 | A244407    | PLUG-7/8 SAE                   | 1    |         |
| F189 | 2535010    | 45-M/M 1 ORFS x 7/8 SAE        | 2    |         |
| F190 | A241007    | 90-M/M 7/8 JIC x 7/8 SAE       | 10   |         |
| F191 | A241032    | 90-M/M 7/16 JIC x 9/16 SAE     | 6    |         |
| F193 | 839846     | 45-9/16 SAE x 9/16 ORFS        | 2    |         |
| H06  | 4177320-08 | HYDRAULIC HOSE                 | 4    |         |
| H07  | A712160    | HOSE ASSY A712160              | 2    |         |
| H10  | A792560    | HYDRAULIC HOSE                 | 4    |         |
| H18  | 4140829    | HOSE ASSEMBLY                  | 1    |         |
| H19  | 4140828    | HOSE ASSEMBLY                  | 1    |         |
| H20  | 4177320-05 | HOSE ASSEMBLY                  | 1    |         |
| H21  | 4177320-10 | HOSE ASSEMBLY                  | 1    |         |
| H23  | 4177320-01 | HOSE ASSEMBLY                  | 1    |         |
| H24  | 4177300-03 | HOSE ASSEMBLY                  | 1    |         |
| H29  | 4177320-07 | HYD HOSE ASSEMBLY              | 1    |         |
| H30  | 4177320-06 | HYD HOSE ASSY                  | 1    |         |
| H31  | 4177320-15 | HYDRAULIC HOSE                 | 2    |         |
| H32  | 4177320-02 | HOSE ASSEMBLY                  | 1    |         |
| H37  | 4177625-07 | HOSE ASSEMBLY                  | 2    |         |
| H38  | 4177625-08 | HOSE ASSEMBLY                  | 2    |         |
| H54  | 4177320-16 | HOSE ASSEMBLY                  | 1    |         |
| H67  | 4177624-03 | HYDRAULIC HOSE                 | 1    |         |
| H68  | 4177340-09 | HOSE ASSEMBLY                  | 1    |         |
| H69  | 4177624-02 | HOSE ASSY                      | 1    |         |
| H71  | 4177300-01 | HOSE ASSEMBLY                  | 1    |         |
| H72  | A799793    | HOSE ASSEMBLY                  | 1    |         |
| H73  | 4177340-05 | HOSE ASSY                      | 1    |         |
| H74  | 4177340-07 | HOSE ASSY                      | 1    |         |
| H75  | 4177300-04 | HOSE ASSEMBLY                  | 1    |         |
| H76  | 4140358    | HOSE ASSEMBLY                  | 1    |         |
| H77  | 4177624-04 | HOSE ASSEMBLY                  | 1    |         |
| H80  | 4177320-09 | HOSE ASSY                      | 1    |         |
| H81  | 4177340-03 | HOSE ASSEMBLY                  | 1    |         |

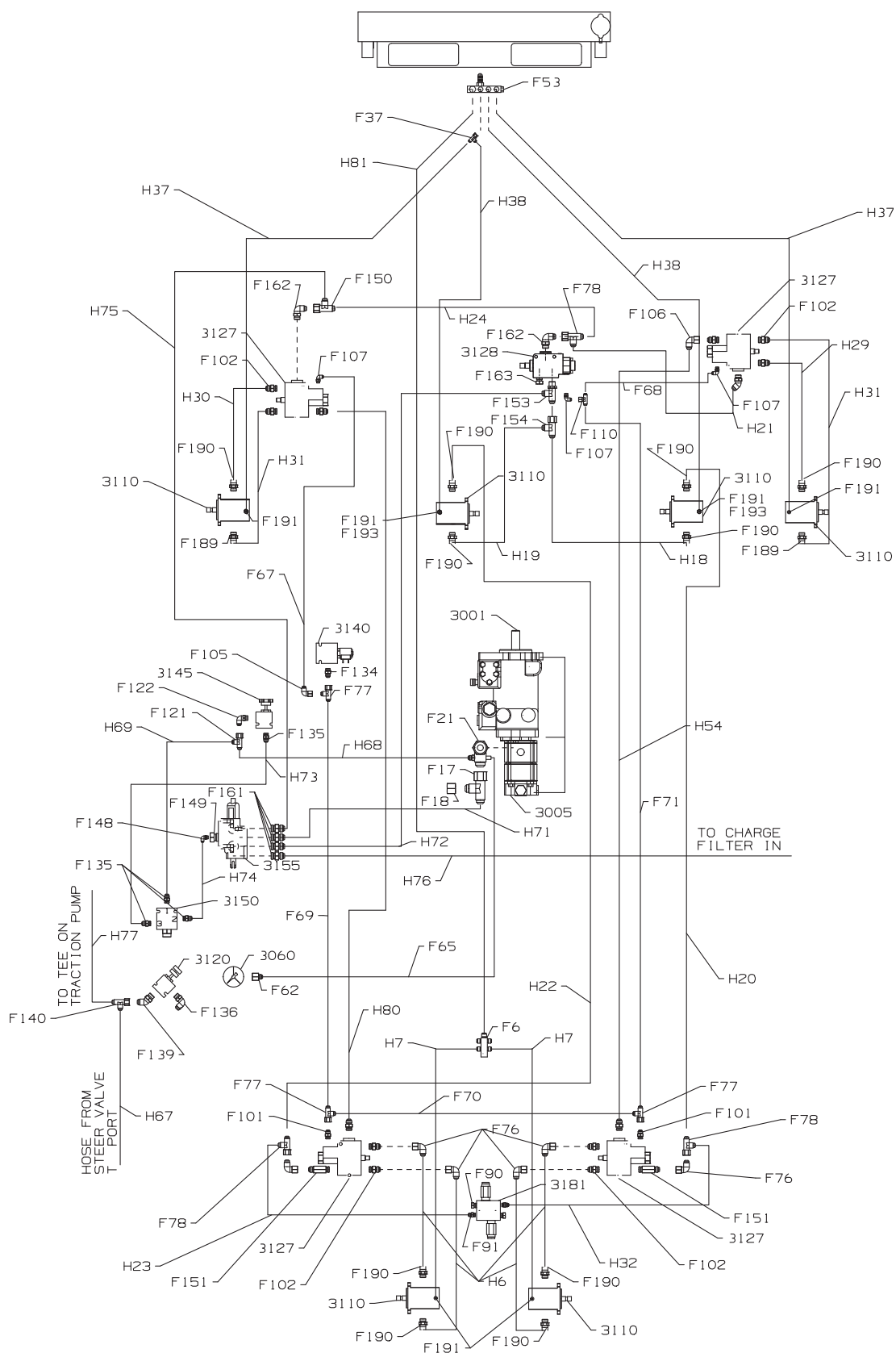




| ITEM | PART NO.   | DESCRIPTION                   | QTY. | REMARKS |
|------|------------|-------------------------------|------|---------|
| 1    | 009028100  | MOTOR CHANGEOVER VALVE        | 1    |         |
| 2    | 002600600  | FTG-45-1/2BSP-ADJ             | 2    |         |
| 3    | 4177125    | 90-M/M 3/4 BSP x 1-3/16 ORFS  | 1    |         |
| 14   | 4163528    | STRAIGHT CONNECTOR            | 2    |         |
| 15   | 4177137    | FTG-3/4BSPx13/16 ORFS         | 1    |         |
| 16   | 4177320-14 | HOSE ASSEMBLY                 | 1    |         |
| 17   | 4177300-02 | HOSE ASSEMBLY                 | 1    |         |
| 18   | 4177320-12 | HOSE ASSEMBLY                 | 1    |         |
| 36   | 009028180  | SOLENOID VALVE                | 1    |         |
| 37   | 4177142    | ADAPTOR-3/8 BSP X 11/16 ORFS  | 1    |         |
| 38   | 002590240  | 90-M/M 3/8 BSPP x 11/16 ORFS  | 1    |         |
| 46   | 4177300-04 | HOSE ASSEMBLY                 | 1    |         |
| 47   | 007998530  | HOSE ASSEMBLY                 | 1    |         |
| 48   | 4177340-08 | HOSE ASSEMBLY                 | 1    |         |
| 52   | 002498400  | TEE-M/F/M 11/16 ORFS          | 1    |         |
| *    | 002515010  | FTG-1-3/16ORSx7/8SAE          | 1    |         |
| *    | 002590110  | TEE-M/F/M 1ORS                | 4    |         |
| *    | 002590470  | TEE-M/M/F 9/16ORS             | 1    |         |
| *    | 158007-05  | 90-M/M 1ORSx7/8SAE            | 4    |         |
| *    | 4177135    | TEE M/M/M 7/8SAE X 1-3/16ORFS | 1    |         |
| *    | 4140612    | FTG-STR 1-1/16JIC Fto7/8JIC M | 1    |         |
| *    | 4177124    | FTG-LG 1 ORFS x 7/8SAE        | 1    |         |

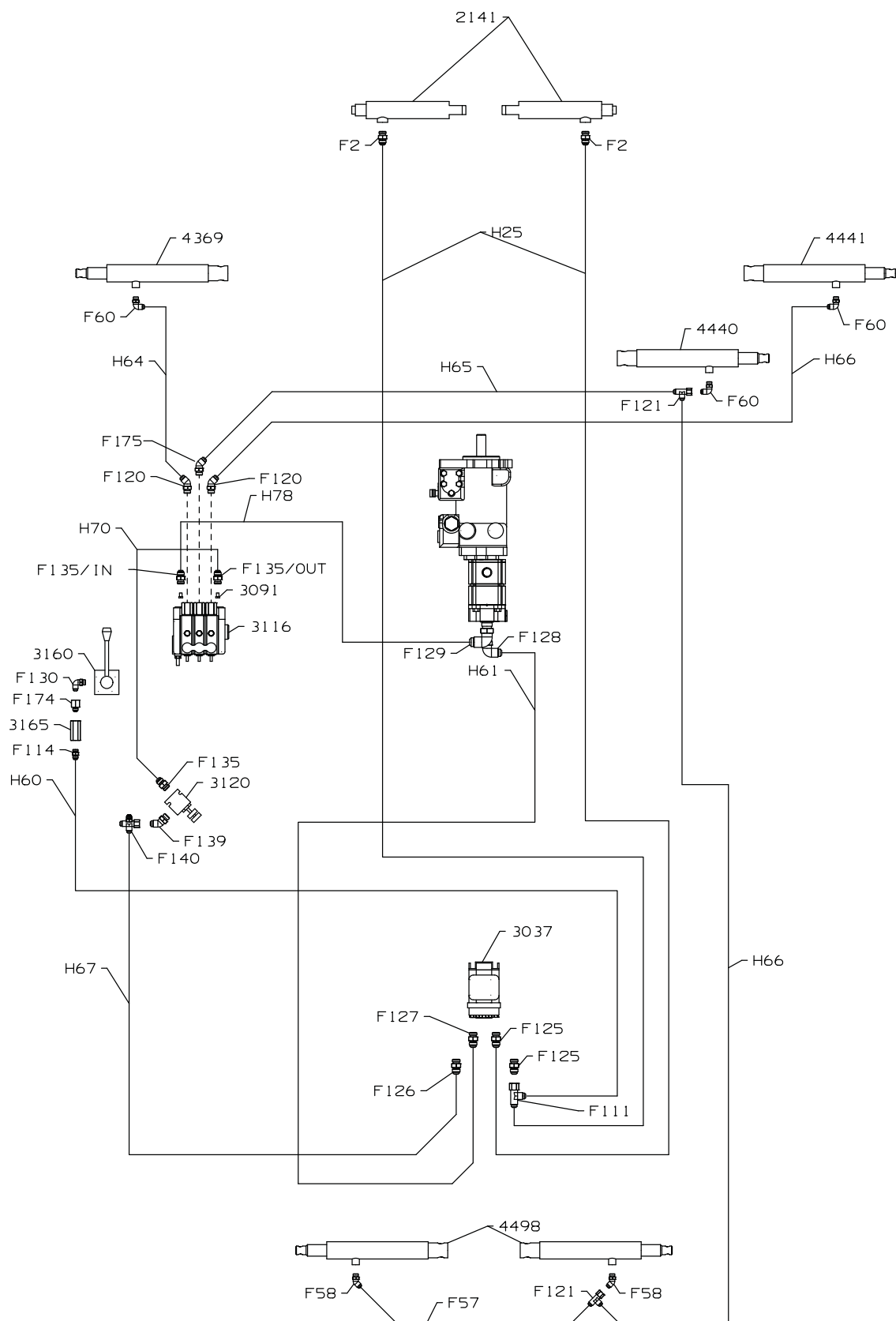


| ITEM  | PART NO.  | DESCRIPTION                    | QTY. | REMARKS |
|-------|-----------|--------------------------------|------|---------|
| 3001  | A800761   | PUMP SUNDSTRAND M46            | 1    | SERVO   |
| 3005  | 4165856   | TANDEM PUMP 23cc+6cc+PFD       | 1    |         |
| 3060  | A810941   | PRESSURE GAUGE                 | 1    |         |
| 3110  | 4155520   | GEARMOTOR+MALE SPL.SHFT.       | 6    |         |
| 3120  | A801125   | WEIGHT TRANSFER VALVE          | 1    |         |
| 3127  | 4155522   | DIVERTER VALVE 4 PORT PILOT    | 4    |         |
| 3128  | A801250   | DIVERTER VALVE 3PORT PILOT     | 1    |         |
| 3140  | A8011120  | SOLENOID VALVE                 | 1    |         |
| 3145  | 2208046   | VALVE BLOCK-BACK PRESSUR       | 1    |         |
| 3150  | A801126   | PRESSURE COMPENSATOR VALVE     | 1    |         |
| 3155  | A801252   | DIRECTIONAL CONTROL VALVE      | 1    |         |
| 3181  | A801258   | CROSSLINE RELIEF               | 1    |         |
| F006  | 4177126   | MANIFOLD-9/16(4)x11/16 (1)ORFS | 1    |         |
| F017  | A243508   | TEE-M/F/M 1-1/16 JIC           | 1    |         |
| F018  | A244808   | CAP-1-1/16 JIC                 | 1    |         |
| F021  | 4177133   | 90-M/M/M/M                     | 1    |         |
| F037  | 2590480   | TEE-M/F/M 9/16ORFS             | 1    |         |
| F053  | A260059   | MANIFOLD-7/16JIC(4)x9/16JIC(2) | 1    |         |
| F062  | A249287   | FTG-M/F 1/8 BSP x 1/4 BSP      | 1    |         |
| F065  | A808043   | GAUGE LINE ASSY, 1060 LG       | 1    |         |
| F067  | A797110   | PILOT LINE ASSY                | 1    |         |
| F068  | A797112   | PILOT LINE (3/16)              | 2    |         |
| F069  | A797106   | PILOT LINE ASSY                | 1    |         |
| F070  | A797105   | PILOT LINE ASSY                | 1    |         |
| F071  | A797107   | PILOT LINE ASSY                | 1    |         |
| F076  | 2590450   | 90-M/F 9/16 ORFS x 9/16 ORFS   | 5    |         |
| F077  | 2590480   | TEE-M/F/M 9/16ORFS             | 6    |         |
| F078  | 158010-02 | TEE M/F/M1 ORFS                | 5    |         |
| F090  | 2444056   | PLUG-9/16 SAE                  | 2    |         |
| F091  | A2400513  | FTG-7/8 JIC X 9/16 SAE         | 2    |         |
| F101  | A240003   | FTG-7/16 JIC x 7/16 SAE        | 1    |         |
| F102  | A240007   | FTG-7/8 JIC x 7/8 SAE          | 12   |         |
| F104* | A241007   | 90-M/M 7/8 JIC x 7/8 SAE       | 3    |         |
| F105  | 2590450   | 90-M/F 9/16 ORFS x 9/16 ORFS   | 2    |         |
| F106  | 2590080   | 90-M/F 1 ORFS x 1 ORFS         | 13   |         |
| F107  | 002525020 | 90-M/M 9/16 ORFS x 7/16 SAE    | 3    |         |
| F110  | A243403   | TEE-M/M/F 7/16 JIC             | 2    |         |
| F112* | A249312   | FTG-LG 7/8 JIC x 7/8 SAE       | 1    |         |
| F121  | A243505   | TEE-M/F/M 9/16 JIC             | 1    |         |
| F122  | 158007-10 | 90-M/M 11/16ORFS x 3/4 SAE     | 2    |         |
| F133  | A240003   | FTG-7/16 JIC x 7/16 SAE        | 2    |         |
| F134  | 158006-15 | FTG-9/16 ORFS x 9/16 SAE       | 1    |         |
| F135  | 158006-13 | FTG-11/16 ORFS x 3/4 SAE       | 5    |         |
| F136  | 158007-10 | 90-M/M 11/16ORFS x 3/4 SAE     | 1    |         |



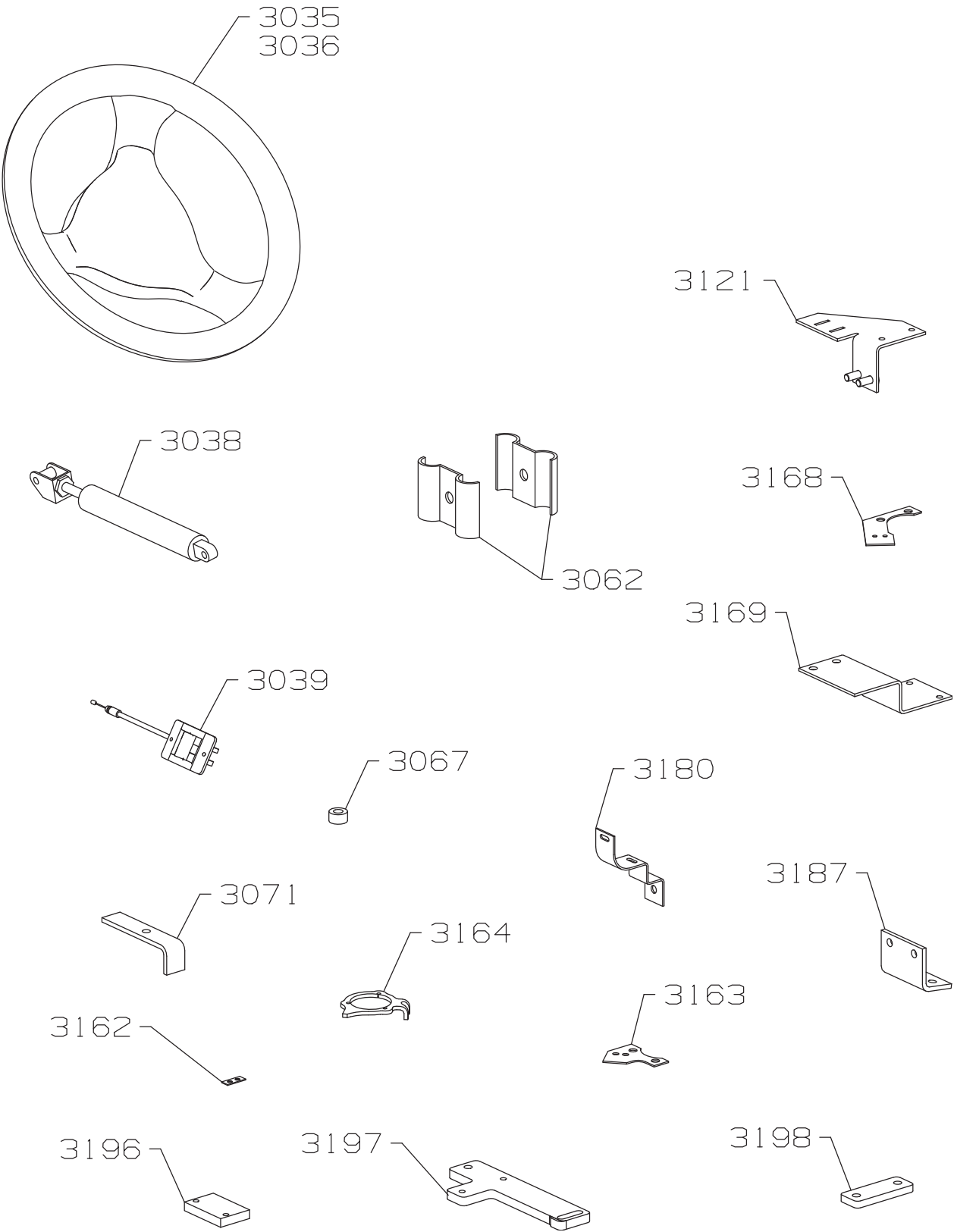
| ITEM | PART NO.   | DESCRIPTION                     | QTY. | REMARKS |
|------|------------|---------------------------------|------|---------|
| F139 | 158059-03  | 45-M/M 13/16 ORFS x 3/4 SAE     | 1    |         |
| F140 | 2498490    | TEE -M/F/M 13/16 ORFS           | 1    |         |
| F148 | 158007-10  | 90-M/M 11/16ORFS x 3/4 SAE      | 1    |         |
| F149 | A260056    | REDUCING BUSH 3/4 BSP           | 1    |         |
| F150 | A260040    | TEE M/F/M 7/8JIC(2) x 1 1/16JIC | 1    |         |
| F151 | A249312    | FTG-LG 7/8 JIC x 7/8 SAE        | 3    |         |
| F153 | 4177135    | TEE M/M/M 7/8SAE X 1-3/16ORFS   | 1    |         |
| F154 | A243508    | TEE-M/F/M 1-1/16 JIC            | 1    |         |
| F161 | A260039    | FTG 3/4BSPc/w seal x 1 1/16JIC  | 4    |         |
| F162 | A241007    | 90-M/M 7/8 JIC x 7/8 SAE        | 2    |         |
| F163 | A244407    | PLUG-7/8 SAE                    | 1    |         |
| F189 | 2535010    | 45-M/M 1 ORFS x 7/8 SAE         | 2    |         |
| F190 | A241007    | 90-M/M 7/8 JIC x 7/8 SAE        | 10   |         |
| F191 | A241032    | 90-M/M 7/16 JIC x 9/16 SAE      | 6    |         |
| F193 | 839846     | 45-9/16 SAE x 9/16 ORFS         | 2    |         |
| H06  | 4177320-08 | HYDRAULIC HOSE                  | 4    |         |
| H07  | A712160    | HOSE ASSY                       | 2    |         |
| H10  | A792560    | HYDRAULIC HOSE                  | 4    |         |
| H18  | A799761    | HOSE ASSEMBLY                   | 1    |         |
| H19  | A799760    | HOSE ASSEMBLY                   | 1    |         |
| H20  | A799762    | HOSE ASSEMBLY                   | 1    |         |
| H21  | 4177320-10 | HOSE ASSEMBLY                   | 1    |         |
| H22  | A799762    | HOSE ASSEMBLY                   | 1    |         |
| H23  | A799763    | HOSE ASSEMBLY                   | 1    |         |
| H24  | A799766    | HOSE ASSEMBLY                   | 1    |         |
| H29  | 4177320-07 | HYD HOSE ASSEMBLY               | 1    |         |
| H30  | 4177320-06 | HYD HOSE ASSY                   | 1    |         |
| H31  | 4177320-15 | HYDRAULIC HOSE                  | 2    |         |
| H32  | A799764    | HOSE ASSEMBLY                   | 1    |         |
| H37  | 4177625-07 | HOSE ASSEMBLY                   | 2    |         |
| H38  | 4177625-08 | HOSE ASSEMBLY                   | 2    |         |
| H54  | 4177320-16 | HOSE ASSEMBLY                   | 1    |         |
| H67  | 4177624-03 | HYDRAULIC HOSE                  | 1    |         |
| H68  | 4177340-09 | HOSE ASSEMBLY                   | 1    |         |
| H69  | 4177624-02 | HOSE ASSY                       | 1    |         |
| H71  | A799792    | HOSE ASSEMBLY                   | 1    |         |
| H72  | A799793    | HOSE ASSEMBLY                   | 1    |         |
| H73  | 4177340-05 | HOSE ASSY                       | 1    |         |
| H74  | 4177340-07 | HOSE ASSY                       | 1    |         |
| H75  | A799794    | HOSE ASSEMBLY                   | 1    |         |
| H76  | A799795    | HOSE ASSEMBLY                   | 1    |         |
| H77  | 4177624-04 | HOSE ASSEMBLY                   | 1    |         |
| H80  | 4177320-09 | HOSE ASSY                       | 1    |         |
| H81  | 4177340-03 | HOSE ASSEMBLY                   | 1    |         |

## HYDRAULIC STEERING / LIFT CIRCUIT



| ITEM   | PART NO.   | DESCRIPTION                   | QTY. | REMARKS                      |
|--------|------------|-------------------------------|------|------------------------------|
| 2141   | A902807    | STEERING RAM                  | 2    |                              |
| 3037   | A808980    | STEERING UNIT                 | 1    |                              |
| 3037.1 | 4133843    | • SEAL KIT                    |      |                              |
| 3091   | MBE4675A   | DUAL RESTRICTOR.              | 2    |                              |
| 3116   | 4186260    | LIFT VALVE - EATON            | 1    |                              |
| 3120   | A801125    | WEIGHT TRANSFER VALVE         | 1    |                              |
| 3160   | A802834    | HYDRAULIC VALVE               | 2    |                              |
| 3165   | A801121    | CHECK VALVE                   | 1    |                              |
| 4369   | A902811    | HYDRAULIC RAM                 | 2    |                              |
| 4440   | A902734    | HYDRAULIC RAM                 | 1    |                              |
| 4441   | A902811    | HYDRAULIC RAM                 | 1    |                              |
| 4498   | A902737    | HYDRAULIC RAM                 | 2    |                              |
| F002   | 158006-15  | FTG-9/16 ORFS x 9/16 SAE      | 2    |                              |
| F057   | 4177340-12 | HYD HOSE ASSY                 | 1    |                              |
| F058   | A242005    | 45-M/M 9/16 JIC x 9/16 SAE    | 2    |                              |
| F060   | 158007-01  | 90-M/M 11/16ORFS x 9/16 SAE   | 3    |                              |
| F111   | 2590480    | TEE-M/F/M 9/16ORFS            | 3    |                              |
| F114   | GSF2570AB  | STRAIGHT CONNECTOR GS1        |      |                              |
| F120   | A242005    | 45-M/M 9/16 JIC x 9/16 SAE    | 5    |                              |
| F175   | 158059-04  | 45-M/M 9/16 SAE x 11/16 ORFS  | 1    |                              |
| F121   | A243505    | TEE-M/F/M 9/16 JIC            | 1    |                              |
| F122   | 158007-10  | 90-M/M 11/16ORFS x 3/4 SAE    | 2    |                              |
| F125   | 158006-15  | FTG-9/16 ORFS x 9/16 SAE      | 2    |                              |
| F126   | A240047    | FTG-3/4 JIC x 9/16 SAE        | 1    |                              |
| F127   | A801255    | CHECK VALVE                   | 1    |                              |
| F128   | 158006-04  | FTG-M/M 13/16 ORS x 9/16 SAE  | 1    |                              |
| F129   | 4177132    | 90-M/M/M                      | 1    | 1/8BSPP x 11/16ORFS x 7/8SAE |
| F130   | 002590240  | 90-M/M 3/8 BSPP x 11/16 ORFS  | 1    |                              |
| F135   | 158006-13  | FTG-11/16 0RFS x 3/4 SAE      | 5    |                              |
|        | 4188140    | FTG-11/16 0RFS x 9/16 SAE     | 2    | ON LIFT VALVE ONLY           |
| F139   | 158059-03  | 45-M/M 13/16 ORFS x 3/4 SAE   | 1    |                              |
| F140   | A260019    | SWIVEL NUT BRANCH CROSS       | 1    |                              |
| F174   | 4177129    | FTG-M/F 1/4 BSPP x 11/16 ORFS | 1    |                              |
| H25    | 4177625-10 | HYD HOSE ASSY                 | 2    |                              |
| H60    | 4177625-01 | HOSE ASSY                     | 1    |                              |
| H61    | 4177624-03 | HOSE ASSY                     | 1    |                              |
| H64    | 4177340-11 | HOSE ASSY                     | 1    |                              |
| H65    | 4177340-01 | HOSE ASSY                     | 1    |                              |
| H66    | 4177340-10 | HOSE ASSY                     | 1    |                              |
| H67    | 4177624-03 | HYDRAULIC HOSE                | 1    |                              |
| H70    | 4177624-01 | HOSE ASSY                     | 1    |                              |
| H78    | 4177340-04 | HOSE ASSEMBLY                 | 1    |                              |

HYDRAULIC MISCELLANEOUS ITEMS

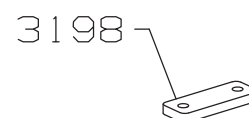
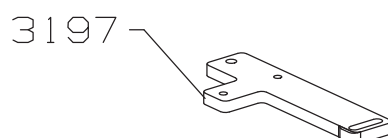
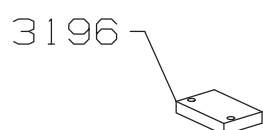
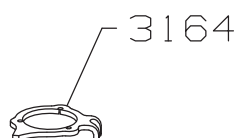
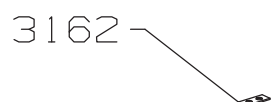
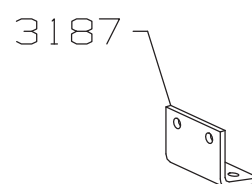
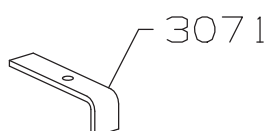
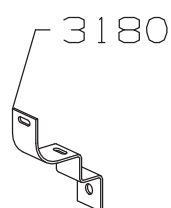
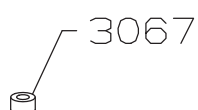
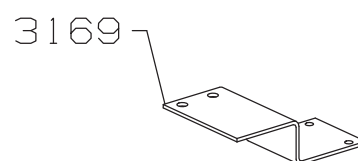
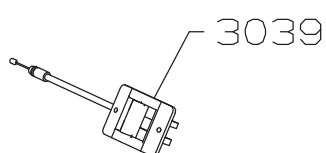
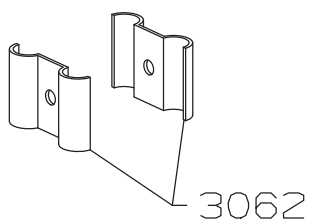
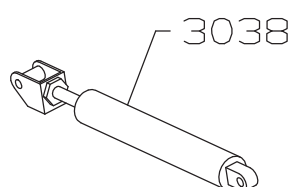
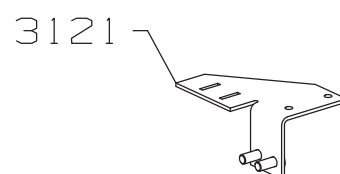
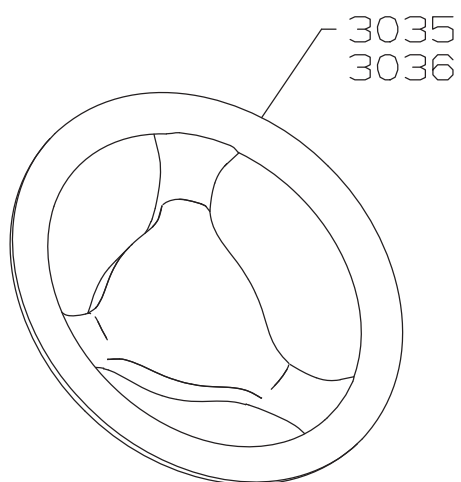




| ITEM  | PART NO.  | DESCRIPTION                | QTY. | REMARKS  |
|-------|-----------|----------------------------|------|--|
| 3002* | 450756    | CAPSCRW, M12 x 40, SCKT HD | 2    | Motor to Axle - to S/N GC000390<br>from S/N GC000390 |
| 3003* | A159905   | WASHER, 33/64              | 2    |  |
| 3004* | 450424    | S.L.WASHER, M12            | 2    |  |
| 3006* | 450214    | SCREW, M10 x 25, HEX HD    | 2    |  |
| 3007* | 450412    | S.L.WASHER, M10            | 2    |  |
| 3014* | A119116   | SCRW-HEX M14-1.5 x 30      | 12   |  |
| 3014* | 4228802   | Capscrew-Sckt M14-1.5 x 30 | 12   |  |
| 3015* | A159420   | S.L.WASHER, M14            | 12   |  |
| 3017* | 456010577 | SCREW, 1/2 x 1 1/2, HEX HD | 8    |  |
| 3018* | 452200168 | S.L.WASHER, 1/2            | 8    |  |
| 3026* | MBG6420   | ORIFACE PLATE              | 1    | REAR MOTOR TO SWIVEL                                 |
| 3035  | 2811364   | STEERING WHEEL             | 1    |  |
| 3036  | 2811365   | STEERING WHEEL CAP         | 1    |  |
| 3038  | J5002918  | ACTUATOR, GAS SPRING       | 1    |  |
| 3039  | J5002919  | CABLE, ACTUATOR            | 1    |  |
| 3044* | 450020    | BOLT, M8 x 60, HEX HD      | 10   |  |
| 3045* | 450031    | BOLT, M10 x 45, HEX HD     | 1    |  |
| 3046* | 450379    | NUT, M10 NYLOC             | 1    |  |
| 3047* | MBE4170   | STUD.                      | 1    |  |
| 3048* | MBE4169   | NUT.                       | 1    |  |
| 3049* | 450378    | NUT, M8 NYLOC              | 2    | DIVERTORS<br>LEVER W/A                               |
| 3050* | A291079   | SPRING                     | 1    |  |
| 3052* | 450390    | WASHER, M8                 | 2    |  |
| 3053* | H980031   | ?P? CLIP                   | 5    |  |
| 3061* | GSF2150L  | WASHER                     | 6    |  |
| 3062  | MBE1265   | BRACKET.                   | 4    |  |
| 3063* | 450173    | SCREW, M6 x 30, HEX HD     | 4    |  |
| 3064* | 450215    | SCREW, M10 x 30, HEX HD    | 2    |  |
| 3065* | 450391    | WASHER, M10                | 3    |  |
| 3066* | 450379    | NUT, M10 NYLOC             | 3    |  |
| 3067  | MBC5963   | SPACER.                    | 2    | LEVER W/A  |
| 3068* | 450011    | BOLT, M6 x 80, HEX HD      | 1    |  |
| 3069* | 450377    | NUT, M6 NYLOC              | 1    |  |
| 3071  | MBE4237   | CLAMP - HOSES.             | 1    |  |
| 3072* | 450018    | BOLT, M8 x 50, HEX HD      | 1    |  |
| 3073* | 450378    | NUT, M8 NYLOC              | 1    |  |
| 3074* | A298401   | HOSE SLEEVING              | 3    |  |
| 3075* | A298401   | HOSE SLEEVING              | 3    |  |
| 3085* | 450529    | SCREW, M5 x 20, PAN HD     | 6    |  |
| 3086* | 450322    | NUT, M5                    | 6    |  |
| 3087* | 450388    | WASHER, M5                 | 6    | VALVE TO CHASSIS                                     |
| 3090* | H060105   | PLASTIC SPRING GUARD       | 1    |  |
| 3101* | 450026    | BOLT-HEX M8 x 90           | 2    |  |
| 3102* | 450324    | NUT HEX M8                 | 2    |  |

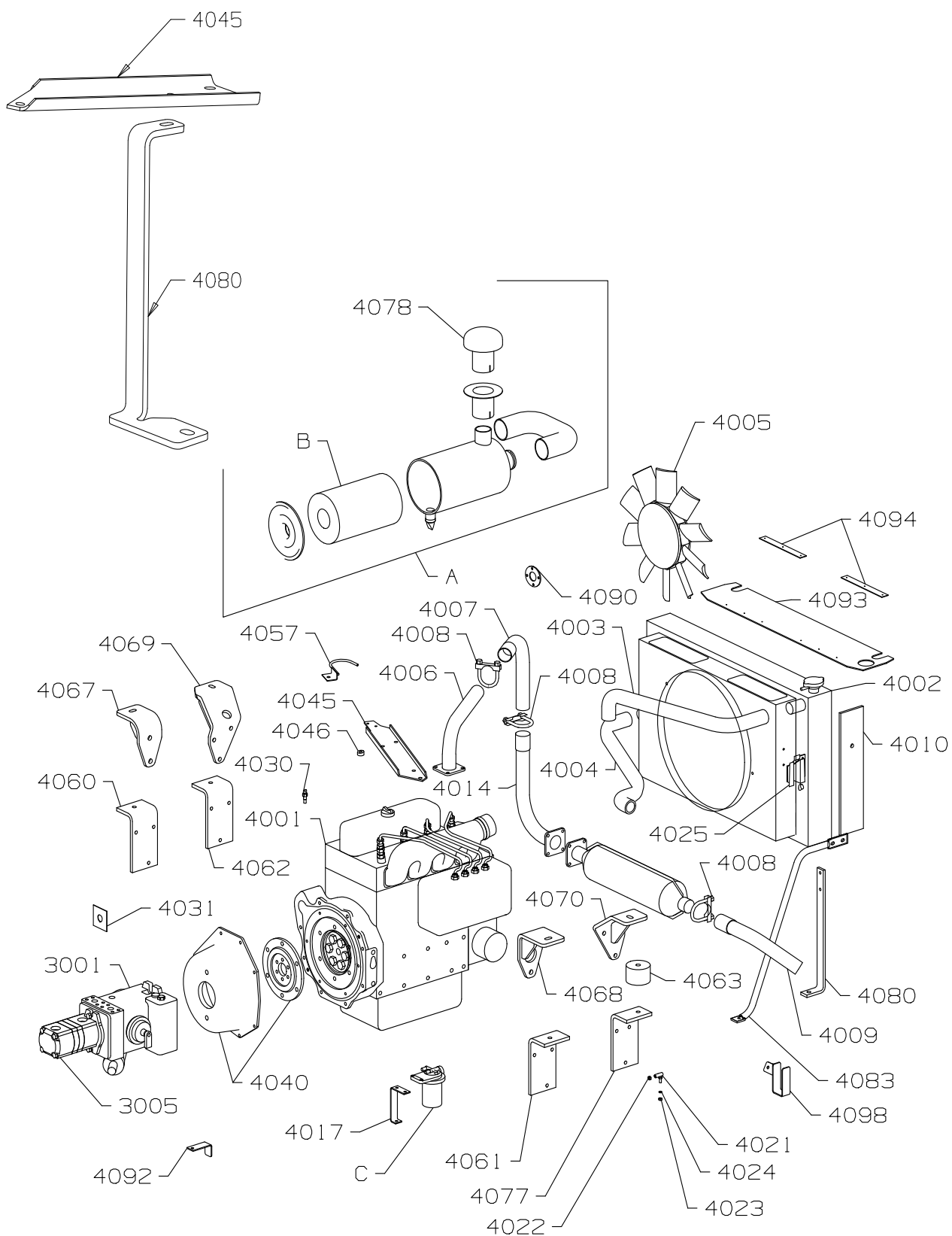
HYDRAULIC MISCELLANEOUS ITEMS

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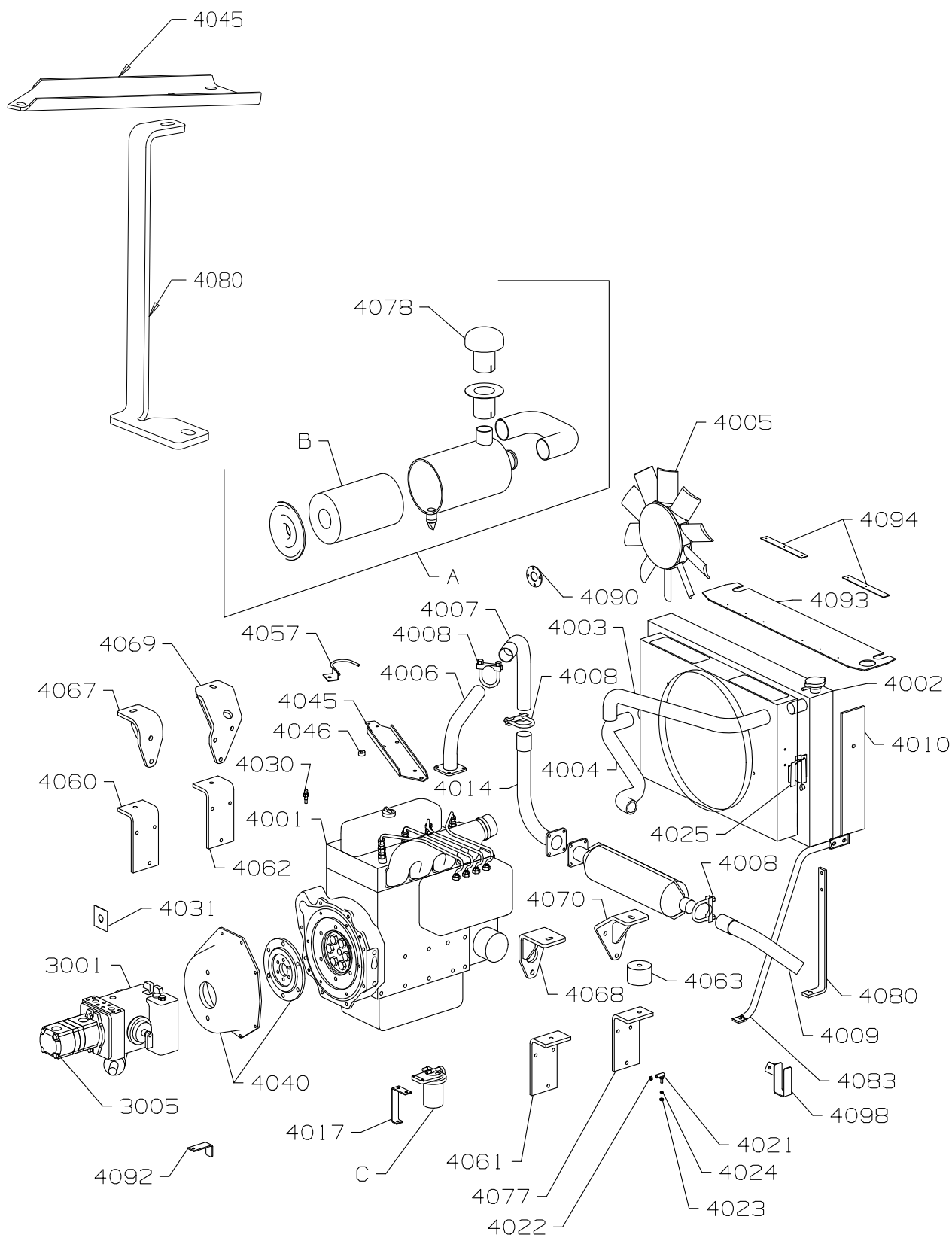
| ITEM  | PART NO.  | DESCRIPTION            | QTY. | REMARKS         |
|-------|-----------|------------------------|------|-----------------|
| 3103* | 450411    | LOCKWASHER M8          | 2    | REAR OF MACHINE |
| 3121  | MBF2144   | BRACKET WA             | 1    |                 |
| 3122* | 450411    | S.L.WASHER, M8         | 2    |                 |
| 3123* | 450324    | NUT, M8                | 2    |                 |
| 3124* | 450004    | BOLT, M6 x 45, HEX HD  | 2    |                 |
| 3125* | 450389    | WASHER, M6             | 2    |                 |
| 3126* | 450377    | NUT, M6 NYLOC          | 2    |                 |
| 3133* | A119003   | SCREW, 5/16 UNC x 3/4  | 3    |                 |
| 3134* | 450390    | WASHER, M8             | 4    |                 |
| 3135* | 450192    | SCREW, M8 x 25, HEX HD | 1    |                 |
| 3136* | 450411    | S.L.WASHER, M8         | 4    |                 |
| 3137* | 450378    | NUT, M8 NYLOC          | 1    |                 |
| 3156* | 450038    | BOLT-HEX M10           | 3    |                 |
| 3157* | 450376    | NUT-HEX M5 NYLOC       | 2    |                 |
| 3158* | 450388    | WSHR-M5                | 3    |                 |
| 3159* | 450528    | SCRW-PAN HD, M5        | 2    |                 |
| 3161* | 451153    | SCRW PAN HD, #10 x 9.5 | 3    |                 |
| 3162  | MBF0918   | CLAMP PLATE            | 1    |                 |
| 3163  | MBG5177   | BRKT-M.SWITCH, BRAKE   | 1    |                 |
| 3164  | MBG5181   | M.SWITCH ACTUATOR      | 1    |                 |
| 3168  | MBG3284A  | BRACKET-M.SWITCH       | 1    |                 |
| 3169  | MBG3283   | BRACKET - EBV          | 1    |                 |
| 3169* | 4163400   | BRACKET                | 1    |                 |
| 3174* | A298937   | HOSE SLEEVING          | 7    |                 |
| 3175* | A199208   | TIE, 200 x 4.8         | 15   |                 |
| 3180  | MBG5544   | BRACKET HOSE SUPPORT   | 2    |                 |
| 3187  | MBG5403   | FILTER BRACKET         | 1    |                 |
| 3188* | 450191    | SCRW-HEX, M8 x 20      | 2    |                 |
| 3189* | 450324    | NUT-HEX, M8            | 2    |                 |
| 3190* | 450390    | WSHR, M8               | 2    |                 |
| 3191* | 450411    | LOCKWASHER, M8         | 4    |                 |
| 3192* | 456110189 | SCRW HEX 5/16 x 3/4    | 2    |                 |
| 3196  | MBG5445   | PLATE                  | 1    |                 |
| 3197  | MBG5402   | VALVE BRACKET          | 1    |                 |
| 3198  | MBG6081   | PLATE                  | 1    |                 |
| 3199* | 450020    | BOLT-HEX M8 x 60       | 2    |                 |
| 3200* | 450411    | LOCKWASHER, M8         | 4    |                 |
| 3201* | 450192    | SCRW-HEX, M8 x 25      | 2    |                 |
| 3202* | 450378    | NUT-HEX, M8 NYLOC      | 2    |                 |

## ENGINE



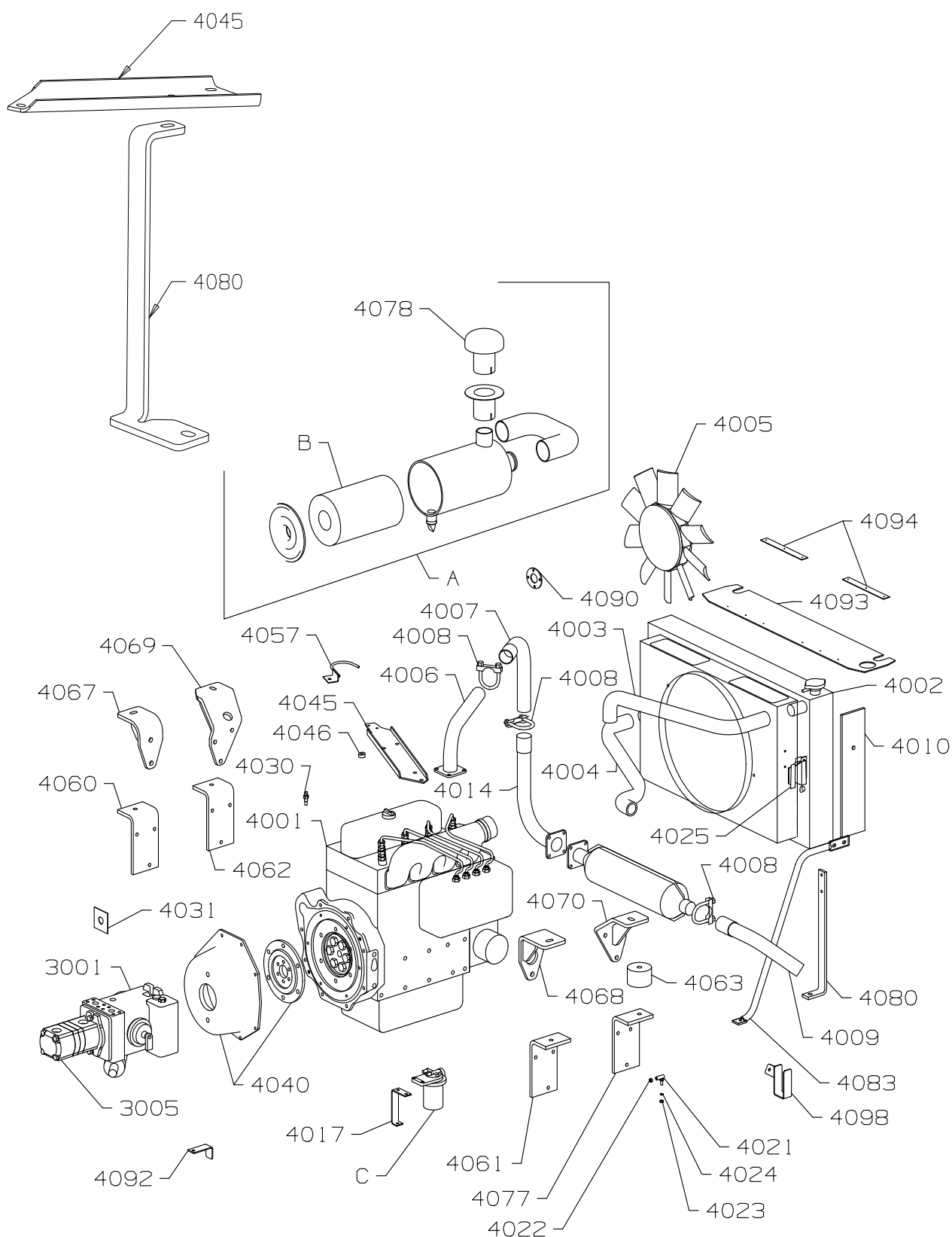
| ITEM  | PART NO.  | DESCRIPTION                 | QTY. | REMARKS                  |
|-------|-----------|-----------------------------|------|--------------------------|
| 4001  | A682185   | ENGINE (V2203)              | 1    |                          |
| 4001  | 4196000   | Engine (V2203M)             | 1    | Euro 3a from SN CG000323 |
| *     | 4193600   | Radiator Shroud             | 1    | from SN CG000323         |
| *     | 4196840   | Radiator & Cooler Shroud    | 1    | from SN CGCG000345       |
| 4002  | A691141   | RADIATOR                    | 1    |                          |
|       | 00691021  | • Radiator Cap              | 1    |                          |
| *     | 4206640   | Radiator & Cooler           | 1    | from SN CG000345         |
| 4003  | A912129   | TOP HOSE                    | 1    |                          |
| 4004  | A910065   | BOTTOM HOSE                 | 1    |                          |
| 4005  | 4121011   | FAN                         | 1    |                          |
|       | 4200420   | FAN                         | 1    | from SN CG000325         |
| 4006  | MBE4668   | FRONT EXHAUST W/ASSY.       | 1    |                          |
| 4007  | MBE4667   | REAR EXHAUST W/ASSY.        | 1    |                          |
| 4008  | A199035   | CLAMP, 1.3/4                | 4    |                          |
| 4009  | MBE4504A  | EXHAUST TAILPIPE            | 1    |                          |
| 4010  | A914929   | SEALING PAD                 | 2    |                          |
| 4012* | 4135618   | SLEEVING                    | 1.5  |                          |
| 4013* | A192557   | HOSE CLAMP, 34-57           | 4    |                          |
| 4014  | MBE4666   | EXHAUST LOWER PIPE          | 1    |                          |
| 4015* | A199035   | CLAMP, 1.3/4                | 1    |                          |
| 4016* | A907207   | SPECIAL WASHER              | 3    |                          |
| 4017  | MBE4309   | FUEL FILTER BRACKET         | 1    |                          |
| 4018* | 450192    | SCREW, M8 x 25, HEX HD      | 4    |                          |
| 4019* | 45041     | S.L.WASHER, M8              | 4    |                          |
| 4020* | 450324    | NUT, M8                     | 4    |                          |
| 4021  | A814501   | BALL JOINT                  | 1    |                          |
| 4022  | A139314   | NUT, M6                     | 1    |                          |
| 4023  | 450323    | NUT, M6                     | 3    |                          |
| 4024  | 450410    | S.L.WASHER, M6              | 2    |                          |
| 4025  | MBF0138   | SUPPORT-WATER BOTTLE        | 1    |                          |
| 4026* | 450170    | SCREW, M6 x 16, HEX HD      | 2    |                          |
| 4027* | 450410    | S.L.WASHER, M6              | 2    |                          |
| 4028* | 450389    | WASHER, M6                  | 2    |                          |
| 4029* | 450377    | NUT, M6 NYLOC               | 2    |                          |
| 4030  | A829603   | TEMP SENDER CURTIS          | 1    | up to SN CG000324        |
|       | 4184680   | TEMP SENDER                 |      | from SN CG000325         |
| *     | 4201040   | ADAPTOR                     | 1    | from SN CG000325         |
| *     | 002600640 | 3/8 BSP DOWTY SEAL          | 1    | from SN CG000325         |
| 4031  | MBE4658   | ADAPTOR PLATE               | 1    |                          |
| 4040  | A814639   | BELL HOUSING AND COUPLING   | 1    |                          |
| *     | LMAC286   | KIT-BELL HOUSING & COUPLING | 1    |                          |
| *     | LMAC284   | KIT-COUPLING                | 1    |                          |
| *     | A8902510  | NYLON COUPLING FLANGE       |      |                          |
| *     | 4120330   | NYLON FLANGE K.T.R. PART    |      |                          |

## ENGINE



| ITEM  | PART NO.  | DESCRIPTION               | QTY. | REMARKS |
|-------|-----------|---------------------------|------|---------|
| *     | 4120332   | PUMP GEAR COUPLING        |      |         |
| *     | LMAC285   | KIT-HOUSING               | 1    |         |
| 4041* | 450241    | SCREW, M12 x 30, HEX HD   | 6    |         |
| 4042* | 450424    | S.L.WASHER, M12           | 6    |         |
| 4043* | A100972   | BOLT, M10x1.25x65, HEX HD | 8    |         |
| *     | 4169483   | BOLT, M10x 50 long        | 8    |         |
| 4044* | 450411    | S.L.WASHER, M8            | 8    |         |
| 4045  | 4136447   | BRACKET - AIR CLEANER     | 1    |         |
| 4046  | MBE4291B  | BOSS                      | 4    |         |
| 4047* | 450015    | BOLT, M8 x 35, HEX HD     | 2    |         |
| 4048* | 450004    | BOLT, M6 x 45, HEX HD     | 2    |         |
| 4049* | 450213    | SCREW, M10 x 20, HEX HD   | 2    |         |
| 4050* | 450389    | WASHER, M6                | 2    |         |
| 4051* | 450390    | WASHER, M8                | 2    |         |
| 4052* | 450391    | WASHER, M10               | 2    |         |
| 4053* | 450410    | S.L.WASHER, M6            | 2    |         |
| 4054* | 450411    | S.L.WASHER, M8            | 2    |         |
| 4055* | 450412    | S.L.WASHER, M10           | 2    |         |
| 4056* | MBE4154   | SPACER - AIR CLEANER BRKT | 2    |         |
| 4057  | MBF0075   | STAY FOR AIR CLEANER      | 1    |         |
| 4058* | MBC0175   | WASHER                    | 2    |         |
| 4059* | 450379    | NUT, M10 NYLOC            | 1    |         |
| 4060  | MBG2928   | MTG BRKT RH FRONT         | 1    |         |
| *     | A299409   | Exhaust Buffer (Rubber)   | AR   |         |
| 4061  | MBG2940   | MTG BRKT LH FRONT         | 1    |         |
| 4062  | MBG2929   | MTG BRACKET REAR          | 1    |         |
| 4063  | A895019   | RUBBER MOUNT              | 4    |         |
| 4064* | 64123-73  | SCREW, 1/2 UNC X 1 LONG   | 7    |         |
| 4065* | GSF2164L  | 1/2 SPRING LOCKWASHER     | 8    |         |
| 4066* | 450392    | WASHER, M12               | 8    |         |
| 4067  | MBF1099A  | ENG BRKT RH FRONT         | 1    |         |
| 4068  | MBF1100A  | ENG BRKT LH FRONT         | 1    |         |
| 4069  | MBF1101A  | ENG BRKT RH REAR          | 1    |         |
| 4070  | MBF1102A  | ENG BRKT LH REAR          | 1    |         |
| 4071* | A119116   | SCREW, M14x1.5x30, HEX HD | 4    |         |
| 4072* | A159420   | S.L.WASHER, M14           | 4    |         |
| 4073* | A682057   | BOLT, M12 x 30            | 5    |         |
| 4074* | A682055   | BOLT, M10 x 30            | 1    |         |
| 4075* | 450413    | S.L.WASHER, M12           | 5    |         |
| 4076* | 45041     | S.L.WASHER, M10           | 1    |         |
| 4077  | MBG3088   | MTG BRKT REAR LH          | 1    |         |
| 4078  | 009009230 | CLEANER ADAPTOR           | 1    |         |
| 4079* | A192570   | HOSE CLAMP, 23-70         | 1    |         |
| 4080  | 4136446   | EXHAUST STAY              | 1    |         |

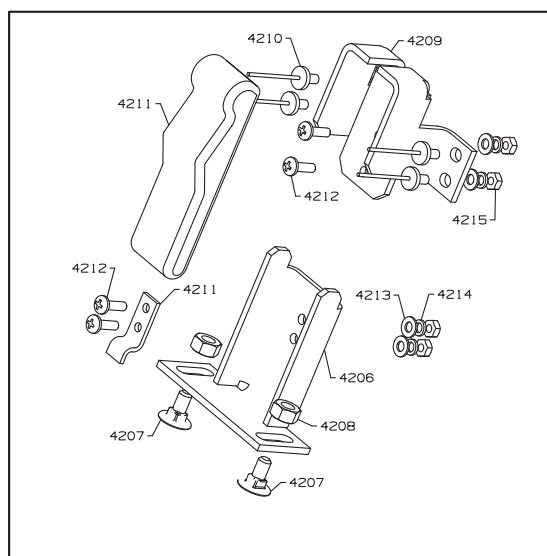
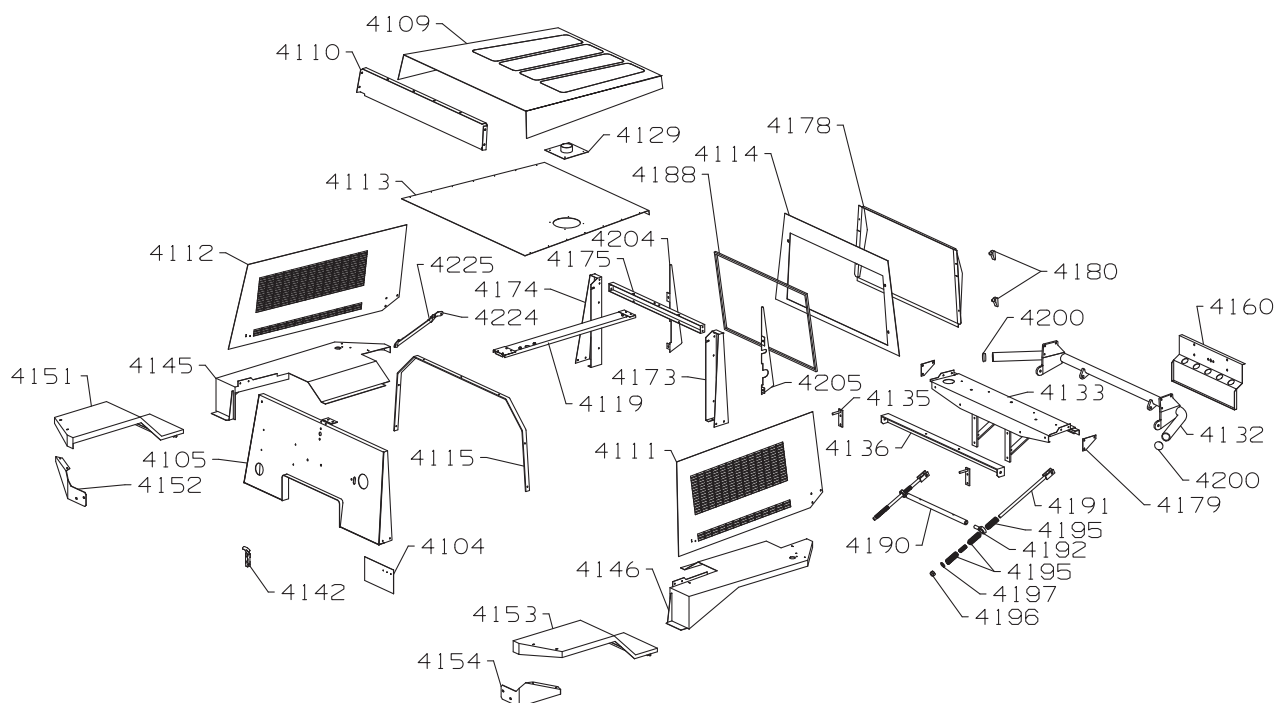
## ENGINE





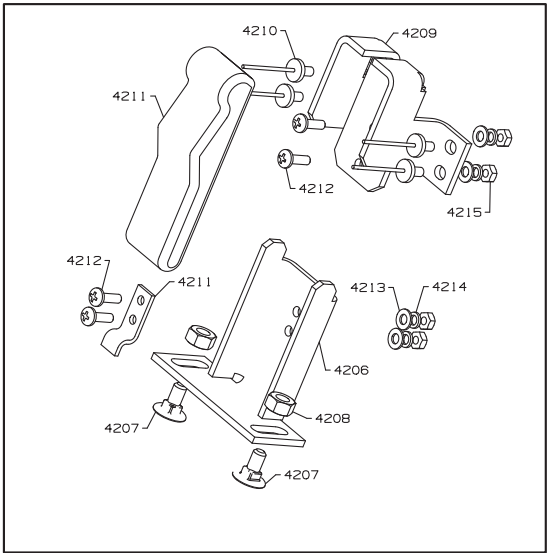
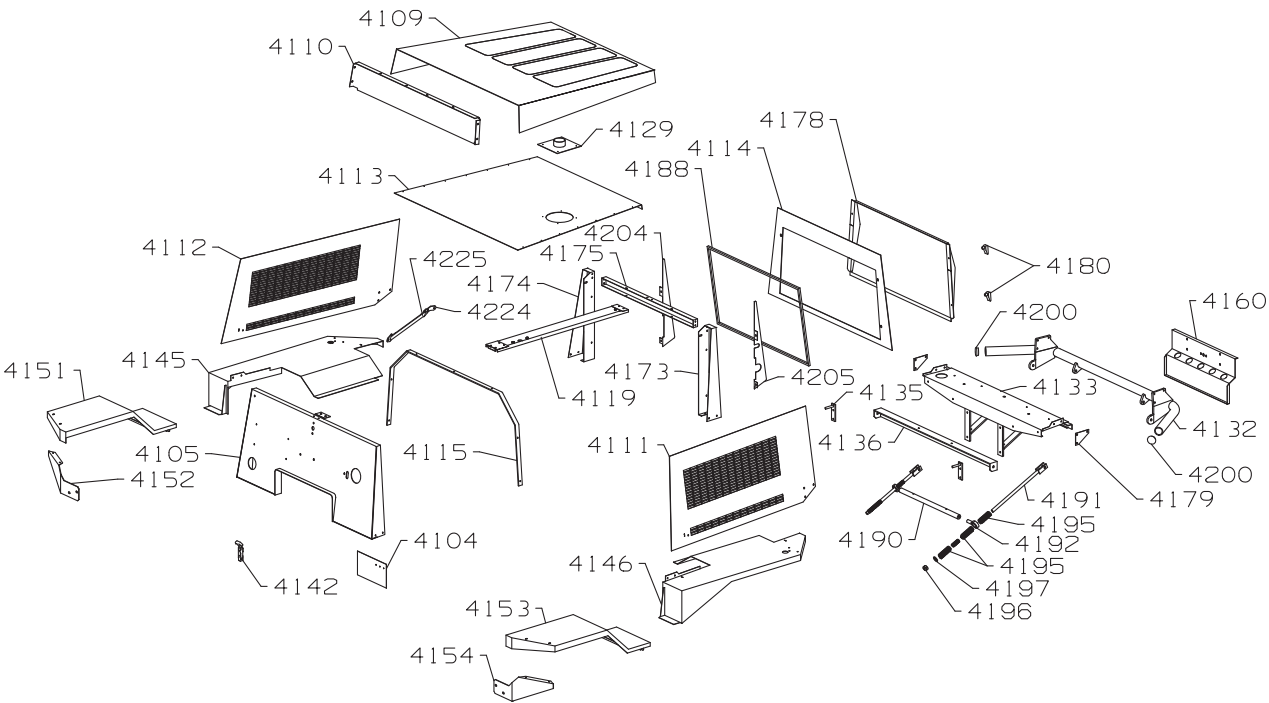
| ITEM  | PART NO.  | DESCRIPTION                  | QTY. | REMARKS                  |
|-------|-----------|------------------------------|------|--------------------------|
| 4081* | GSF2093JH | SCREW, 1/2 UNC X 1.1/4 LONG  | 1    |                          |
| 4082* | MBG4873   | RADIATOR STIFFENER RH        | 1    |                          |
| 4083  | MBG4874   | RADIATOR STIFFENER LH        | 1    |                          |
| 4084* | 450191    | SCREW, M8 x 20, HEX HD       | 2    |                          |
| 4085* | 450390    | WASHER, M8                   | 8    |                          |
| 4086* | 450378    | NUT, M8 NYLOC                | 2    |                          |
| 4090  | MBF1826   | SPACER 63.5 OD x 28.5 ID x 3 | 1    | up to SN CG000324        |
| 4090  | 4200820   | SPACE                        | 1    | from SN CG000325         |
| 4091* | 64139-20  | BOLT-WLF M6-1.00 x 16        | 4    | (USED 4090)              |
| 4092  | MBG5433   | BRACKET                      | 1    | (HOSE SUPP, BEHIND SEAT) |
| 4093  | MBG5628   | RUBBER SEAL                  | 1    | (TOP OF RADIATOR)        |
| 4094  | MBG5629   | PLATE                        | 2    |                          |
| 4095* | A691153   | TEXTRON KEY RING             | 1    |                          |
| 4096* | 001496052 | RIVET-POP 1/8 x 5/16         | 6    |                          |
| 4097* | A298938   | TRIM SEAL                    | 2    | (TOP/BOTTOM BUGSCREEN)   |
| 4098* | MBF2098   | HOSE BRACKET W/A             | 1    |                          |
| 4099* | 450016    | BOLT HEX M8 x 40             | 1    | (USED 4098)              |
| 4100* | 450390    | WSHR-M8 x 17 x 1.8           | 1    | (USED 4098)              |
| 4101* | 450378    | NUT-HEX M8 NYLOC             | 1    | (USED 4098)              |
| 3001  | A800761   | PUMP SUNSTRAND M46 SERVO     |      |                          |
| 3005  | A800759   | TANDEM PUMP 23cc+6cc+PFD     |      |                          |
| A     |           | AIR CLEANER ASSY.            | 1    | 19077-4012               |
| B     | 4135418   | AIR FILTER ELEMENT           | 1    |                          |
| C     | 557619    | FUEL FILTER                  | 1    |                          |
|       | 4151777   | ENGINE OIL FILTER            | 1    |                          |
| *     |           | STARTER MOTOR                | 1    | 15461-63010              |
| *     |           | ALTERNATOR                   | 1    | 17356-64010              |
| *     |           | FAN BELT                     | 1    | 15196-97010              |
| *     | 009009230 | AIR INTAKE FUNNEL            | 1    |                          |

## COVERS



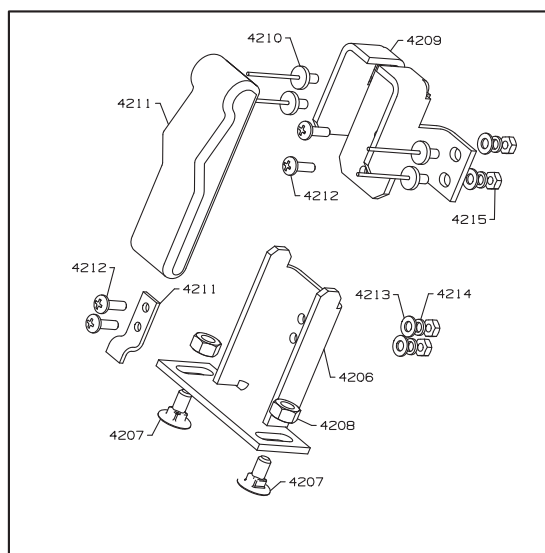
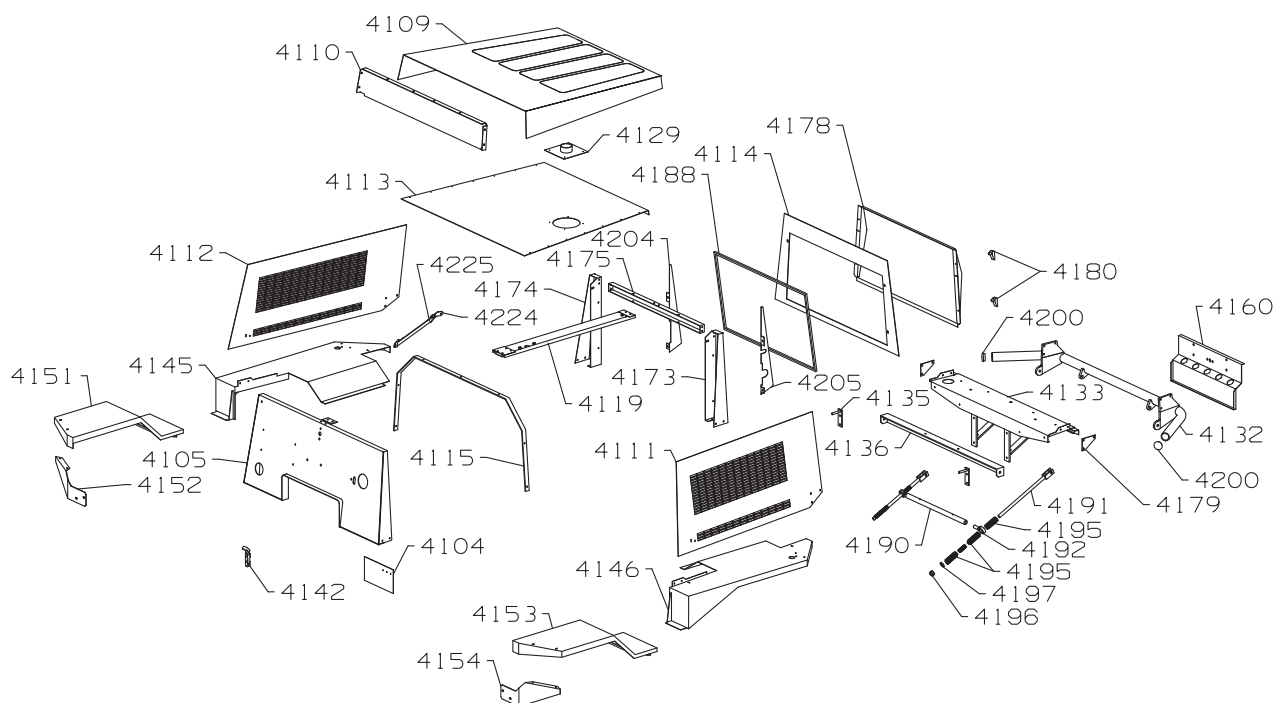
| ITEM    | PART NO.  | DESCRIPTION               | QTY. | REMARKS                                    |
|---------|-----------|---------------------------|------|--|
| 4104    | A912008   | RELAY FLAP                | 1    |  |
| 4105    | MBF1108F  | WLDMT-FRONT PANEL         | 1    |  |
| 4106*   | 450389    | WASHER, M6                | 2    |  |
| 4107*   | H089014   | CLIP                      | 6    |  |
| 4109    | MBF2175   | TOP COVER W.A.            | 1    |  |
| 4110    | MBG2839B  | BACK PANEL                | 1    |  |
| 4111    | MBG6139   | SIDE PANEL L.H.           | 1    | Beading for Cover 002989310 &<br>379050522 |
| 4112    | MBG6140   | SIDE PANEL R.H.           | 1    |  |
| 4113    | MBG2849B  | TOP PANEL                 | 1    |  |
| 4114    | MBG2858A  | REAR PANEL                | 1    |  |
| 4115    | MBG2853   | STAY                      | 1    |  |
| 4116*   | AC008A    | ACOUSTIC KIT              | 1    |  |
| 4116.2  | 009155050 | • ACOUSTIC FOAM PAD       | 2    | Bonnet Sides                               |
| 4116.3  | 009155060 | • ACOUSTIC FOAM PAD       | 1    | Bulkhead Top                               |
| 4116.4  | 009155070 | • ACOUSTIC FOAM PAD       | 1    | Seat Plate                                 |
| 4116.7  | 009155100 | • ACOUSTIC FOAM PAD       | 1    | Platform Side Slope                        |
| 4116.9  | 009155120 | • ACOUSTIC FOAM PAD       | 1    | Bonnet LH                                  |
| 4116.10 | 009155130 | • ACOUSTIC FOAM PAD       | 1    | Bonnet RH                                  |
| 4116.11 | 4121012   | • ACOUSTIC FOAM PAD       | 1    | Bulkhead LH                                |
| 4116.12 | 4121013   | • ACOUSTIC FOAM PAD       | 2    | Ops Compartment RH                         |
| 4116.13 | 4121014   | • ACOUSTIC FOAM PAD       | 1    | Bulkhead RH                                |
| 4116.14 | 4121015   | • ACOUSTIC FOAM PAD       | 1    | Bulkhead Centre                            |
| 4116.15 | 4121016   | • ACOUSTIC FOAM PAD       | 1    | Bulkhead Rear RH                           |
| 4116.16 | 4121017   | • ACOUSTIC FOAM PAD       | 1    | Bulkhead Centre RH                         |
| 4118*   | A298936   | DOOR SEAL                 | 1    | FOR ITEM 4114                              |
| 4119    | MBF1405   | BEAM W/ASSY.              | 1    |  |
| 4120*   | 64018-20  | BLT-CRG 1/4-20 X 1/2      | 20   |  |
| 4121*   | A139305   | NUT, 1/4 UNC              | 20   |  |
| 4122*   | A149615   | RIVET, 1/8 X .400         | 22   |  |
| 4123*   | 450541    | SCREW, M6 x 16, PAN HD    | 7    |  |
| 4124*   | 450377    | NUT, M6 NYLOC             | 4    |  |
| 4125*   | 450357    | NUTSERT, M6 A-K 1ST GRIP  | 3    |  |
| 4126*   | 450170    | SCREW, M6 x 16, HEX HD    | 4    |  |
| 4127*   | 450410    | S.L.WASHER, M6            | 6    |  |
| 4128*   | 450541    | SCREW, M6 x 16, PAN HD    | 2    |  |
| 4129    | MBF1138   | AIR CLEANER EXTENSION     | 1    |  |
| 4130*   | 451126    | SCREW, No.6 x 9.5, PAN HD | 4    |  |
| 4132    | MBF1083C  | BUMPER ASSEMBLY           | 1    |  |
| 4133    | MBF1359A  | REAR PANEL W/ASSY.        | 1    |  |
| 4134*   | A299409   | RUBBER MOUNT              | 2    |  |
| 4135    | MBE4400B  | EXHAUST BRACKET W/ASSY.   | 2    |  |
| 4136    | MBF2202   | ANGLE SUPPORT             | 1    |  |
| 4137*   | 450192    | SCREW, M8 x 25, HEX HD    | 4    |  |
| 4138*   | 450378    | NUT, M8 NYLOC             | 4    |  |

COVERS



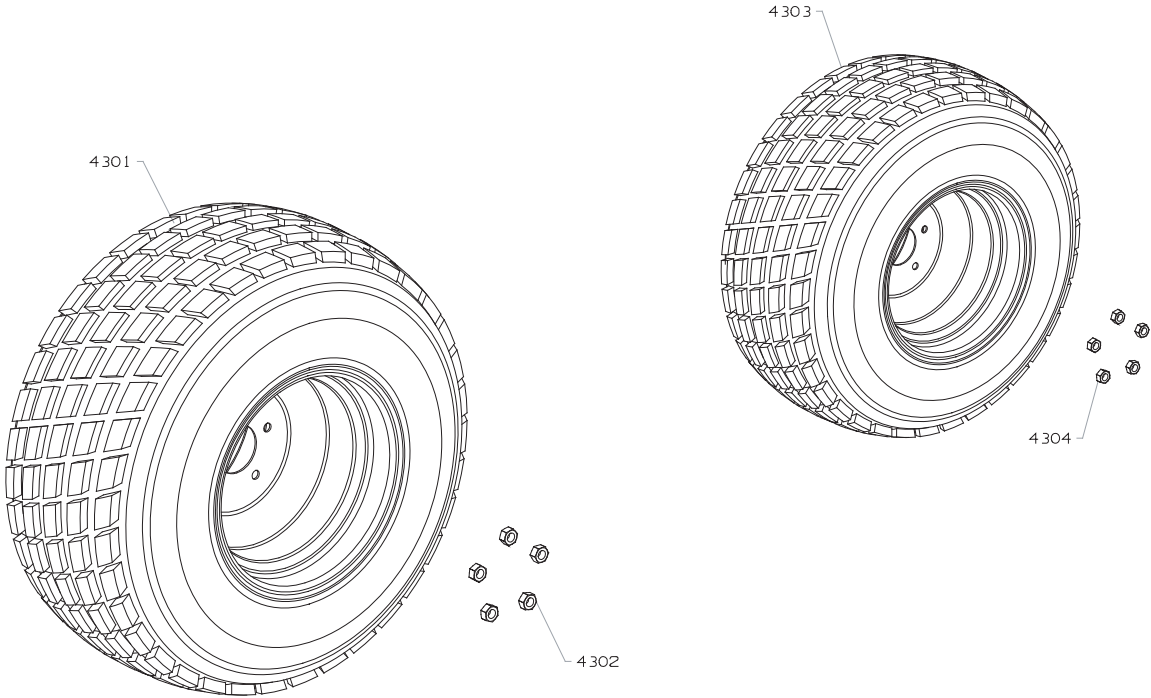
| ITEM  | PART NO.  | DESCRIPTION              | QTY. | REMARKS          |
|-------|-----------|--------------------------|------|------------------|
| 4139* | 450170    | SCREW, M6 x 16, HEX HD   | 4    |                  |
| 4140* | 450389    | WASHER, M6               | 4    |                  |
| 4141* | 450377    | NUT, M6 NYLOC            | 4    |                  |
| 4142  | A199063   | LATCH                    | 1    |                  |
| 4143* | 450528    | SCREW, M5 x 16, PAN HD   | 8    |                  |
| 4144* | 450388    | WASHER, M5               | 8    |                  |
| 4145  | MBF2140   | REAR MUDGUARD RH W/ASSY. | 1    |                  |
| 4146  | MBF2142   | REAR MUDGUARD LH W/ASSY. | 1    |                  |
| 4147* | 450170    | SCREW, M6 x 16, HEX HD   | 4    |                  |
| 4148* | 450377    | NUT, M6 NYLOC            | 4    |                  |
| 4149* | 450191    | SCREW, M8 x 20, HEX HD   | 4    |                  |
| 4150* | 450378    | NUT, M8 NYLOC            | 4    |                  |
| 4151  | MBE4051B  | RH MUDGUARD W/ASSY.      | 1    |                  |
| 4152  | MBE4056A  | RH MUDGUARD SUPPT. BRKT. | 1    |                  |
| 4153  | MBE4052B  | LH MUDGUARD W/ASSY.      | 1    |                  |
| 4154  | MBE4057A  | LH MUDGUARD SUPPORT W/A  | 1    |                  |
| 4155* | 450170    | SCREW, M6 x 16, HEX HD   | 4    |                  |
| 4156* | 450170    | SCREW, M6 x 16, HEX HD   | 4    |                  |
| 4157* | 450170    | SCREW, M6 x 16, HEX HD   | 4    |                  |
| 4158* | 450410    | S.L.WASHER, M6           | 12   |                  |
| 4159  | A298904   | SAFETY WALK STRIP        | 1    |                  |
| 4160  | MBG5870   | NUMBER PLATE BRACKET.    | 1    |                  |
| 4161* | 450170    | SCREW, M6 x 16, HEX HD   | 4    |                  |
| 4162* | 450377    | NUT, M6 NYLOC            | 4    |                  |
| 4163* | 450389    | WASHER, M6               | 4    |                  |
| 4167* | A904295   | RUBBER MAT               | 1    |                  |
| 4168* | A298928DG | SEALING STRIP            | 2    |                  |
| 4171* | H060104   | BEADING                  | 4    |                  |
| 4172* | AC002     | ACOUSTIC KIT-COMMANDER   | 1    |                  |
| 4173  | MBF1889A  | SUPPORT LH W/A.          | 1    |                  |
| *     | 4205905   | Support LH               | 1    | from SN CGxxxxxx |
| 4174  | MBF1888   | SUPPORT RH W/A           | 1    |                  |
| *     | 4205904   | Support RH               | 1    | from SN CGxxxxxx |
| 4175  | MBF1934A  | CHANNEL W/A              | 1    |                  |
| 4176* | 450170    | SCREW, M6 x 16, HEX HD   | 4    |                  |
| 4177* | 450377    | NUT, M6 NYLOC            | 4    |                  |
| 4178  | MBF2158   | REAR ACCESS PANEL        | 1    |                  |
| *     | 4210060   | Rear Panel Assy          | 1    | from SN CGxxxxxx |
| 4179  | MBG2880   | SHIM                     | 2    |                  |
| 4180  | 2198084   | LATCH-SWELL              | 4    |                  |
| 4181* | AE22003   | WASHER                   | 2    |                  |
| 4182* | 450192    | SCREW, M8 x 25, HEX HD   | 6    |                  |
| 4183* | 450378    | NUT, M8 NYLOC            | 6    |                  |
| 4184* | 450216    | SCREW, M10 x 35, HEX HD  | 2    |                  |

## COVERS



| ITEM  | PART NO. | DESCRIPTION                | QTY. | REMARKS             |
|-------|----------|----------------------------|------|---------------------|
| 4187* | A295322  | GROMMET                    | 1    |                     |
| 4188  | A915136  | SCREEN                     | 1    |                     |
| 4189* | A298934  | SEALING STRIP              | 1    |                     |
| 4190  | MBG3168  | SHAFT                      | 1    |                     |
| 4191  | MBF1178B | TIE ROD W.A.               | 2    |                     |
| 4192  | A814541  | ROD END                    | 2    |                     |
| 4193* | 450327   | NUT, M16                   | 2    |                     |
| 4194* | 450194   | SCREW, M8 x 35, HEX HD     | 2    |                     |
| 4195  | A291118  | COMPRESSION SPRING         | 6    |                     |
| 4196  | 450382   | NUT, M16 NYLOC             | 2    |                     |
| 4197  | 450393   | WASHER, M16                | 2    |                     |
| 4198* | 450243   | SCREW, M12 x 40, HEX HD    | 2    |                     |
| 4199* | 450380   | NUT, M12 NYLOC             | 2    |                     |
| 4200  | A895516  | PLASTIC PLUG               | 2    |                     |
| 4201* | A914822  | SOUND DEAFENING PAD        | 1    |                     |
| 4203* | 451143   | SCREW-PAN HD #10 x 9.5     | 2    |                     |
| 4204  | MBF1885A | BRACKET RH W/A             | 1    |                     |
| 4205  | MBF1886B | BRACKET LH W/A             | 1    |                     |
| *     | 4205906  | Bracket W/Assy             | 2    | from SN CGxxxxxx    |
| 4206  | MBG6069  | LATCH BRACKET              | 2    |                     |
| 4207  | 64018-20 | BLT-CRG 1/4-20 x 1/2       | 4    |                     |
| 4208  | A139305  | NUT-HEX 1/4-20 WHIZ        | 4    |                     |
| 4209  | MBG5264  | BRKT-LATCH, HOOD           | 2    |                     |
| 4210  | A149623  | RIVET-POP 3/16 x .062-.270 | 8    |                     |
| 4211  | 2198112  | LATCH-HOOD                 | 2    |                     |
| 4212  | 450517   | SCRW-PAN HD M4 x 12        | 8    |                     |
| 4213  | 450387   | WSHR-M4 x 9 x 0.9          | 8    |                     |
| 4214  | 450408   | LOCKWSHR-M4 x 6.95x1.2     | 8    |                     |
| 4215  | 450321   | NUT-HEX M4                 | 8    |                     |
| 4216* | MBF1712A | BONNET KEY                 | 1    |                     |
| 4224  | MBG6308  | STOP STAY                  | 2    |                     |
| 4225  | 2218083  | LANYARD                    | 2    |                     |
| 4226* | 452710   | BOLT M10x25                | 2    | USED ITEM 4224/4225 |
| 4227* | 452437   | NUT M10 FLNG NYLOC         | 2    | USED ITEM 4224/4225 |

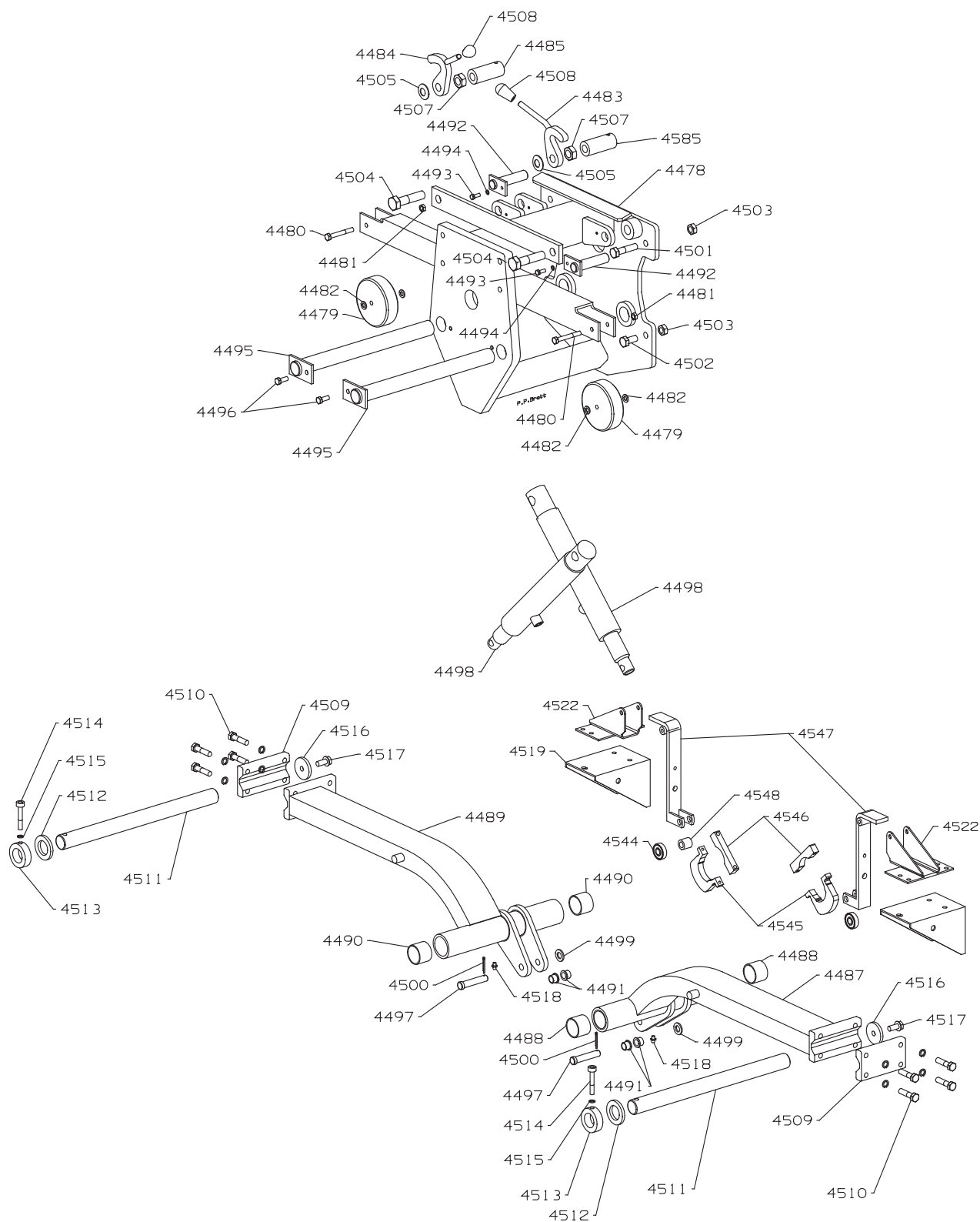
WHEELS





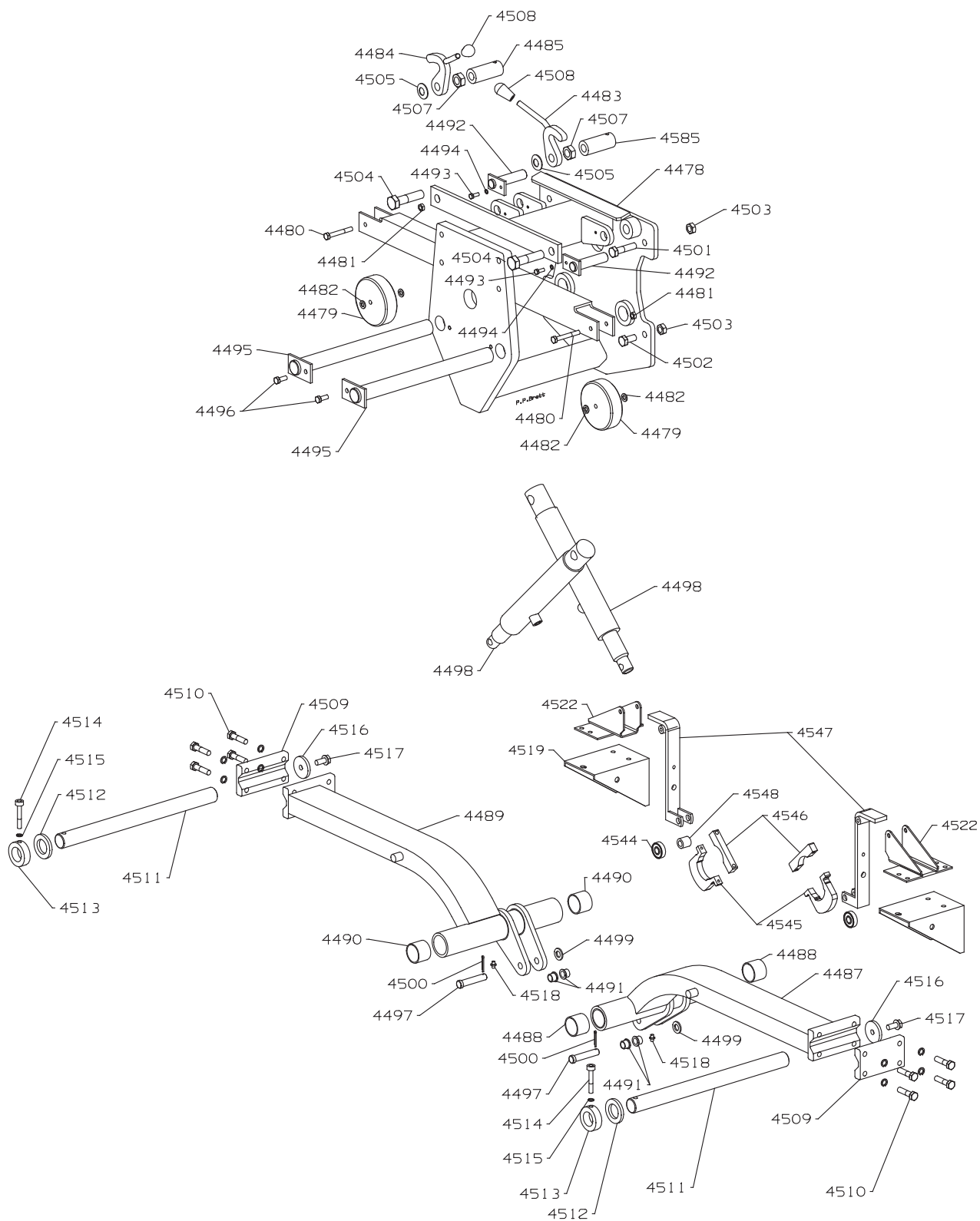
| ITEM  | PART NO. | DESCRIPTION                | QTY. | REMARKS     |
|-------|----------|----------------------------|------|-------------|
|       |          | WHEELS WITH STANDARD TYRES |      |             |
|       | WL050    | STANDARD WHEEL KIT         | 1    |             |
| 4301  | 4220420  | FRT. WHEEL AND TYRE ASSY   | 2    |             |
| *     | 4220441  | RIM 12 x 10.5I CONTOUR     | 1    |             |
| *     | 4220680  | TYRE 26 x 12.00 - 12 8 PLY | 1    |             |
| *     | 4220940  | TUBELESS TYRE VALVE        | 1    |             |
| 4303  | 4220421  | REAR WHEEL & TYRE ASSY     | 2    |             |
| *     | 4220442  | RIM 12 x 8.5JA CONTOUR     | 1    |             |
| *     | 4220700  | TYRE 23 x 10.5 - 12. 6PLY  | 1    |             |
| *     | 4220940  | TUBELESS TYRE VALVE        | 1    |             |
| 4302  | A800846  | WHEEL NUT M14 SPHERICAL    | 10   | Torque 80Nm |
| 4304  | A134111  | WHEEL NUT                  | 10   | Torque 80Nm |
| 4305* | A149061  | PIN, 1/8 x 2               | 4    |             |
|       |          | WHEELS WITH KEVLAR TYRES   |      |             |
|       | WLA050   | ARAMIDE WHEEL KIT          | 1    |             |
| *     | 4221423  | • WHEEL ASSEMBLY FRONT     | 2    |             |
| *     | 4220441  | RIM 12 x 10.5I CONTOUR     | 1    |             |
| *     | 4220701  | TYRE 26 x 12.00 - 12 6 PLY | 1    |             |
| *     | 4220940  | TUBELESS TYRE VALVE        | 1    |             |
| *     | 4220424  | • WHEEL ASSEMBLY REAR      | 2    |             |
| *     | 4220442  | RIM 12 x 8.5JA CONTOUR     | 1    |             |
| *     | 4220720  | TYRE 23 X 10.5 - 12.4PLY   | 1    |             |
| *     | 4220940  | TUBELESS TYRE VALVE        | 1    |             |

## FRONT LIFT ARMS



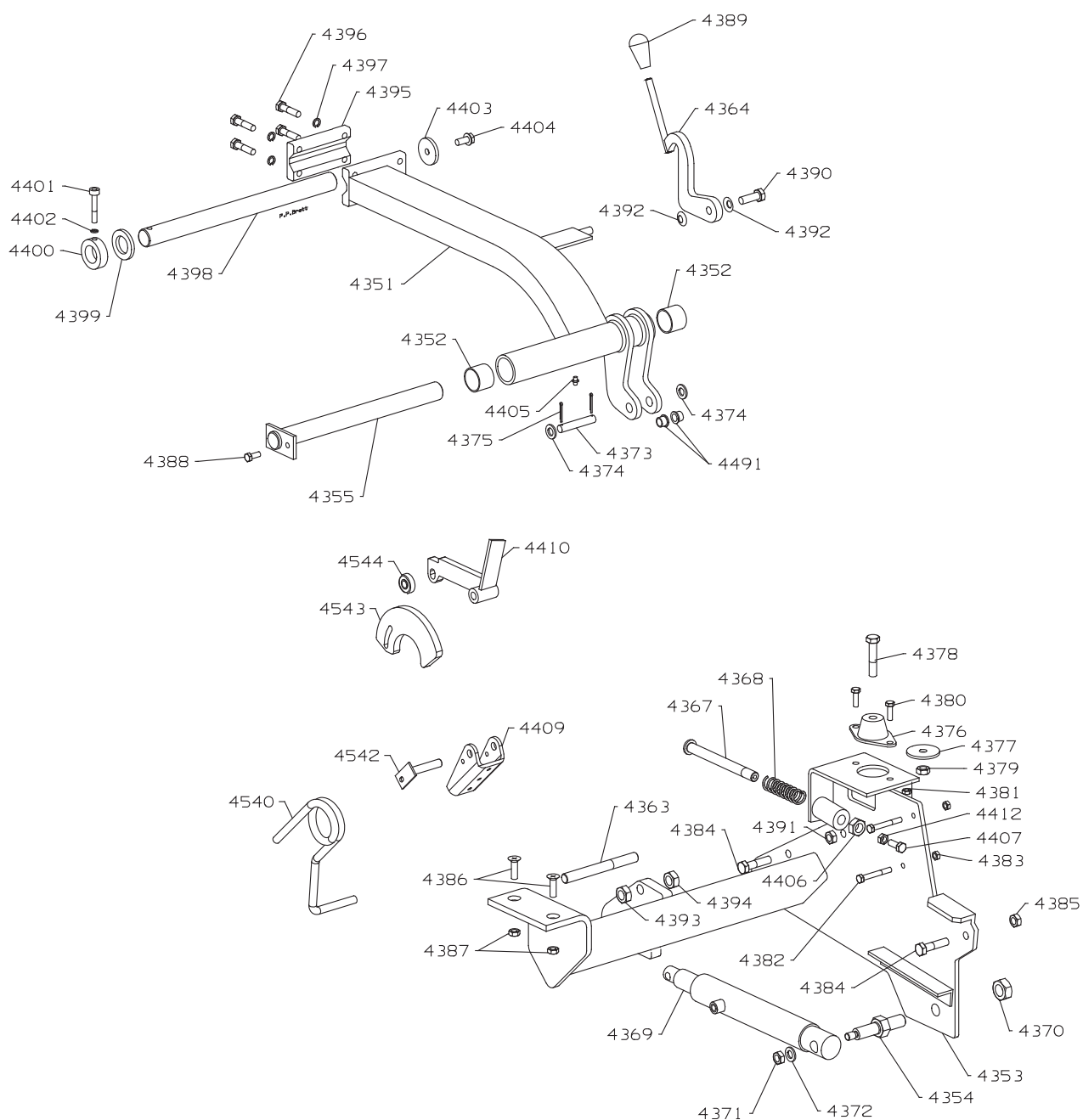
| ITEM  | PART NO. | DESCRIPTION                 | QTY. | REMARKS                   |
|-------|----------|-----------------------------|------|---------------------------|
| 4478  | MBE3882D | FRONT UNITS BRACKET.        | 1    |                           |
| 4479  | MBE1373  | ROLLER                      | 2    |                           |
| 4480  | 450020   | BOLT, M8 x 60, HEX HD       | 2    |                           |
| 4481  | 450378   | NUT, M8 NYLOC               | 2    |                           |
| 4482  | 450390   | WASHER, M8                  | 4    |                           |
| 4483  | MBE3404  | HOOK LH W/ASSY.             | 1    | *4170770 - later machines |
| 4484  | MBE3403  | HOOK RH W/ASSY.             | 1    | *4170769 - later machines |
| 4485  | MBE4683  | STOP BAR.                   | 2    |                           |
| 4487  | MBF1026  | LIFT ARM L.H.FRONT          | 1    |                           |
| 4488  | A219331  | NYLON BUSH.                 | 2    | Use 002190160 BRASS BUSH  |
| 4489  | MBE3910B | LIFT ARM RH FRONT W/ASSY.   | 1    |                           |
| 4490  | A219331  | NYLON BUSH.                 | 2    | Use 002190160 BRASS BUSH  |
| 4491  | MBE4713  | BUSH.                       | 10   |                           |
| 4492  | MBE3952  | RAM PIN W/ASSY.             | 2    |                           |
| 4493  | 450151   | SCREW, M5 x 16, HEX HD      | 2    |                           |
| 4494  | 450409   | S.L.WASHER, M5              | 2    |                           |
| 4495  | MBE3963C | PIVOT SHAFT W/ASSY.         | 2    |                           |
| 4496  | 450191   | SCREW, M8 x 20, HEX HD      | 2    |                           |
| 4497  | MBE3978  | RAM PIN.                    | 2    |                           |
| 4498  | A902734  | HYDRAULIC RAM               | 2    |                           |
| 4499  | 450392   | WASHER, M12                 | 2    |                           |
| 4500  | 451241   | SPLIT PIN, 3.2 x 22         | 2    |                           |
| 4501  | 450054   | BOLT, M12 x 70, HEX HD      | 2    |                           |
| 4502  | 450240   | SCREW, M12 x 25, HEX HD     | 2    |                           |
| 4503  | 450380   | NUT, M12 NYLOC              | 2    |                           |
| 4504  | 450071   | BOLT, M16 x 60, HEX HD      | 1    | *450069 - later machines  |
| 4505  | A292110  | DISC SPRING                 | 5    |                           |
| 4506* | 450393   | WASHER, M16                 | 2    |                           |
| 4507  | 450382   | NUT, M16 NYLOC              | 2    |                           |
| 4508  | A299022  | KNOB                        | 2    |                           |
| 4509  | MBG3772  | CLAMP CAP.                  | 2    |                           |
| 4510  | A100975  | BOLT, M10 x 45, HEX HD      | 4    |                           |
| 4511  | MBC0092D | SHAFT.                      | 2    |                           |
| 4512  | MBE0297  | COLLAR.                     | 2    |                           |
| 4513  | MBG4592  | COLLAR                      | 2    |                           |
| 4514  | 450729   | SCREW, M8 x 50, SCKT CAP HD | 2    |                           |
| 4515  | 450411   | S.L.WASHER, M8              | 2    |                           |
| 4516  | MBE0115  | WASHER.                     | 2    |                           |
| 4517  | 450477   | SCREW, M10 x 20             | 2    | VERBUS RIPP               |
| 4518  | A299301  | LUBRICATOR                  | 2    |                           |
| 4519  | MBE4274A | DIVERTOR BRACKET.           | 2    |                           |
| 4520* | 450191   | SCREW, M8 x 20, HEX HD      | 4    |                           |
| 4521* | 450378   | NUT, M8 NYLOC               | 10   |                           |
| 4522  | MBE4275C | LEVER BRACKET W/ASSY.       | 2    |                           |

## FRONT LIFT ARMS



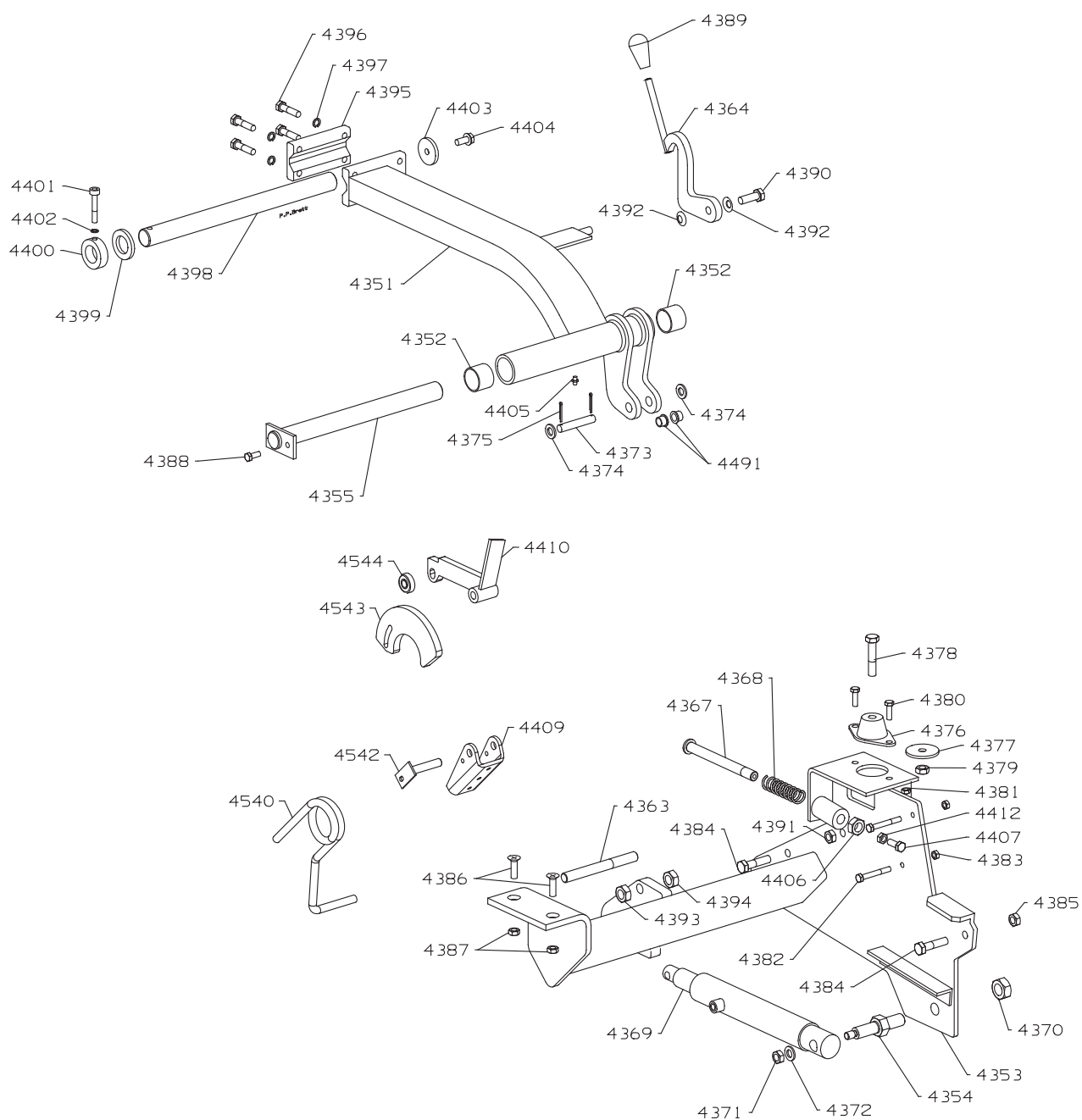
| ITEM  | PART NO. | DESCRIPTION            | QTY. | REMARKS        |
|-------|----------|------------------------|------|----------------|
| 4523* | 450003   | BOLT, M6 x 40, HEX HD  | 4    |                |
| 4525* | 450014   | BOLT, M8 x 30, HEX HD  | 4    |                |
| 4526* | 450324   | NUT, M8                | 4    |                |
| 4527* | 450038   | BOLT, M10 x 80, HEX HD | 2    |                |
| 4528* | A291079  | SPRING                 | 2    |                |
| 4529* | 450020   | BOLT, M8 x 60, HEX HD  | 2    |                |
| 4530* | A181434  | SCREW, M3 x 45         | 4    |                |
| 4531* | A182003  | NUT, M3                | 4    |                |
| 4532* | A183003  | WASHER, 3 mm           | 4    |                |
| 4537* | 450324   | NUT, M8                | 1    |                |
| 4538* | 450379   | NUT, M10 NYLOC         | 2    |                |
| 4539* | 450412   | S.L.WASHER, M10        | 8    |                |
| 4544  | A203601  | BEARING, 12x32x10      | 4    |                |
| 4545  | MBF0972  | DIVERTED CAM RING      | 2    |                |
| 4546  | MBG3836  | CLAMP PLATE            | 2    |                |
| 4547  | MBF1373  | LEVER W.A.FRONT        | 2    |                |
| 4548  | MBG2545  | SPACER                 | 1    |                |
| 4549* | 4170768  | LATCH SECURING PLATE   | 1    | later machines |
| 4550* | 451659   | PIN-TENSION 5 x 28     | 4    | later machines |
| 4551* | 4170761  | ARM WELDMENT           | 1    | later machines |
| 4552* | 4170765  | CLAMPING PLATE         | 1    | later machines |
| 4553* | 4170767  | NYLON PAD              | 2    | later machines |
| 4554* | 450865   | SCRW-SCKT CSK M8 x 20  | 8    | later machines |

## RIGHT LIFT ARM



| ITEM  | PART NO.  | DESCRIPTION              | QTY. | REMARKS                  |
|-------|-----------|--------------------------|------|--------------------------|
| 4351  | MBF1152   | LIFT ARM RH WA           | 1    | Use 002190160 BRASS BUSH |
| 4352  | A219331   | NYLON BUSH.              | 2    |                          |
| 4353  | MBF2043   | SUPPORT PLATE RH W/ASSY. | 1    |                          |
| 4354  | MBE3699A  | PIN. (RAM SUPPORT)       | 1    |                          |
| 4355  | MBE3963C  | PIVOT SHAFT W/ASSY.      | 2    |                          |
| 4358* | 450212    | SCREW, M10 x 16, HEX HD  | 2    |                          |
| 4359* | 450412    | S.L.WASHER, M10          | 2    |                          |
| 4360* | GSF2154GN | WASHER                   | 2    |                          |
| 4363  | MBG3086A  | WING UNIT PIN            | 1    |                          |
| 4364  | MBE4540   | HOOK W/ASSY.             | 1    |                          |
| 4365* | 450391    | WASHER, M10              | 4    |                          |
| 4367  | MBF1002   | PLUNGER                  | 1    |                          |
| 4368  | A291128   | COMPRESSION SPRING       | 1    |                          |
| 4369  | A902811   | HYDRAULIC RAM            | 1    |                          |
| 4370  | 450383    | NUT, M20 NYLOC           | 1    |                          |
| 4371  | 450380    | NUT, M12 NYLOC           | 1    |                          |
| 4372  | 450392    | WASHER, M12              | 1    |                          |
| 4373  | MBE0265   | PISTON PIN.              | 1    |                          |
| 4374  | 450392    | WASHER, M12              | 2    |                          |
| 4375  | 451241    | SPLIT PIN, 3.2 x 22      | 2    |                          |
| 4376  | A299411   | VIBRATION MOUNT          | 1    |                          |
| 4377  | MBE4000   | WASHER.                  | 1    |                          |
| 4378  | 450052    | BOLT, M12 x 60, HEX HD   | 1    |                          |
| 4379  | 450380    | NUT, M12 NYLOC           | 1    |                          |
| 4380  | 450192    | SCREW, M8 x 25, HEX HD   | 2    |                          |
| 4381  | 450378    | NUT, M8 NYLOC            | 2    |                          |
| 4382  | 450020    | BOLT, M8 x 60, HEX HD    | 2    |                          |
| 4383  | 450378    | NUT, M8 NYLOC            | 2    |                          |
| 4384  | 450048    | BOLT, M12 x 40, HEX HD   | 3    |                          |
| 4385  | 450380    | NUT, M12 NYLOC           | 3    |                          |
| 4386  | 450651    | SCREW, M10 x 30, CSK HD  | 2    |                          |
| 4387  | 450379    | NUT, M10 NYLOC           | 2    |                          |
| 4388  | 450191    | SCREW, M8 x 20, HEX HD   | 1    |                          |
| 4389  | A299022   | KNOB                     | 1    |                          |
| 4390  | 450242    | SCREW, M12 x 35, HEX HD  | 1    |                          |
| 4391  | 450380    | NUT, M12 NYLOC           | 1    |                          |
| 4392  | A292100   | DISC SPRINGS             | 2    | (NEW ONE PIECE CLAMP)    |
| 4393  | 450327    | NUT, M16                 | 1    |                          |
| 4394  | 450382    | NUT, M16 NYLOC           | 1    |                          |
| 4395  | MBG3772   | CLAMP CAP.               | 1    |                          |
| 4396  | A100975   | BOLT, M10 x 45, HEX HD   | 4    |                          |
| 4397  | 450412    | S.L.WASHER, M10          | 4    |                          |
| 4398  | MBC0092D  | SHAFT.                   | 1    |                          |
| 4399  | MBE0297   | COLLAR.                  | 1    |                          |

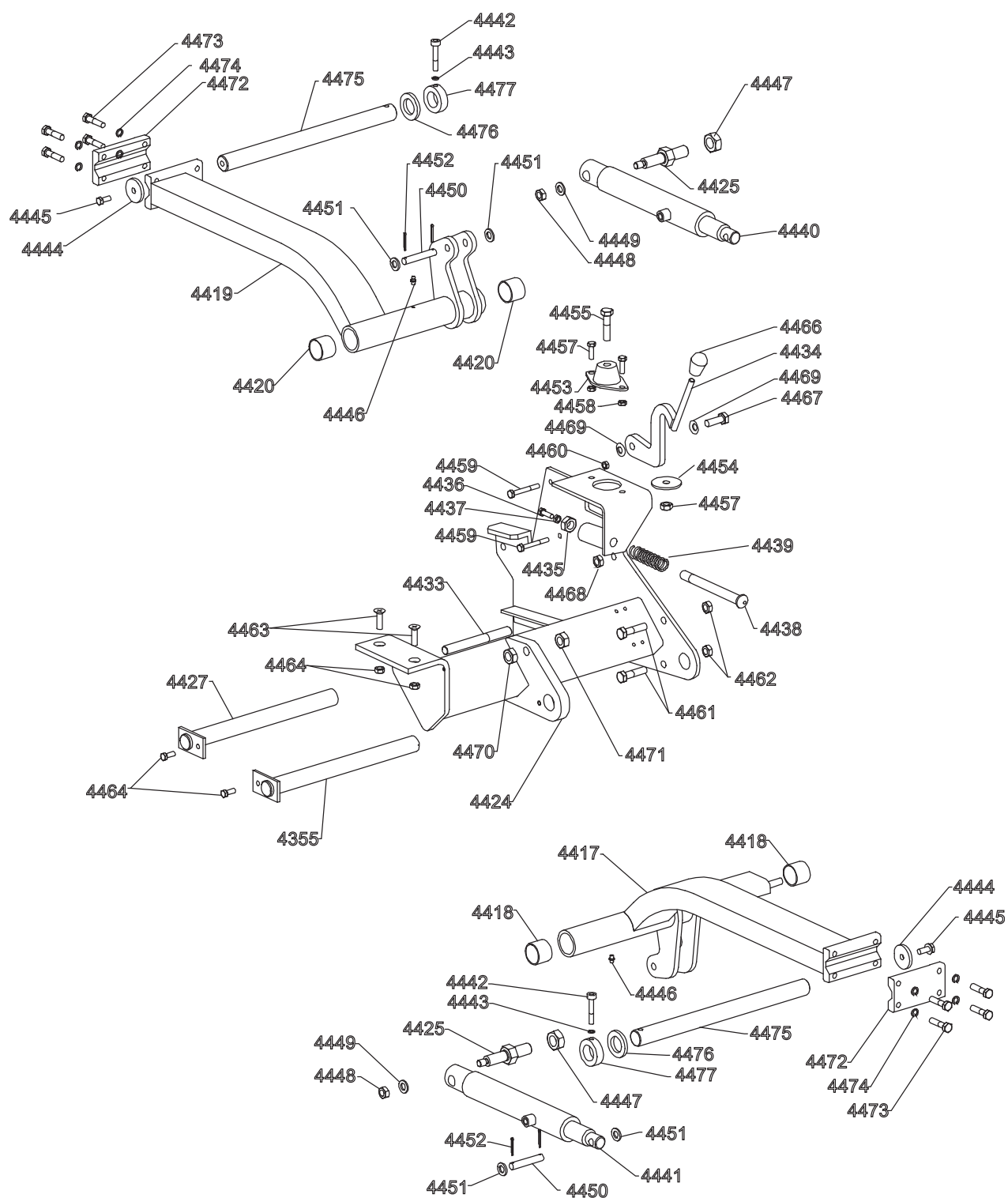
## RIGHT LIFT ARM





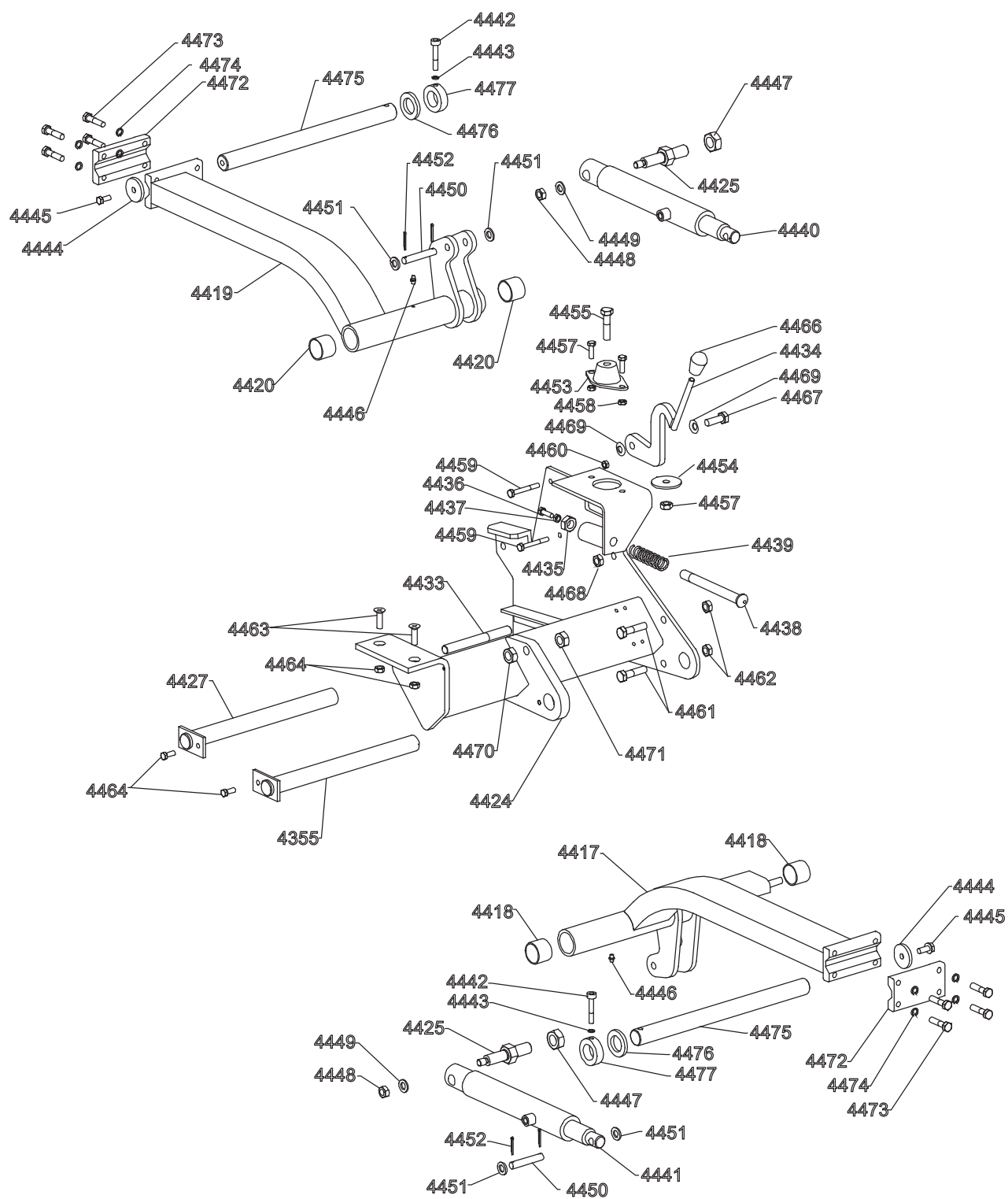
| ITEM  | PART NO. | DESCRIPTION                 | QTY. | REMARKS     |
|-------|----------|-----------------------------|------|-------------|
| 4400  | MBG4592  | COLLAR                      | 1    | VERBUS RIPP |
| 4401  | 450729   | SCREW, M8 x 50, SCKT CAP HD | 1    |             |
| 4402  | 450411   | S.L.WASHER, M8              | 1    |             |
| 4403  | MBE0115  | WASHER.                     | 1    |             |
| 4404  | 450477   | SCREW, M10 x 20             | 1    |             |
| 4405  | A299301  | LUBRICATOR                  | 1    |             |
| 4406  | 450382   | NUT, M16 NYLOC              | 1    |             |
| 4407  | 450192   | SCREW, M8 x 25, HEX HD      | 1    |             |
| 4409  | MBG2723A | BRACKET                     | 1    |             |
| 4410  | MBF2056  | LEVER RH WA                 | 1    |             |
| 4411* | 450192   | SCREW, M8 x 25, HEX HD      | 1    |             |
| 4412  | 450324   | NUT, M8                     | 1    |             |
| 4413* | 450168   | SCREW, M6 x 12, HEX HD      | 2    |             |
| 4414* | A181434  | SCREW, M3 x 45              | 2    |             |
| 4415* | A182003  | NUT, M3                     | 2    |             |
| 4416* | A183003  | WASHER, 3 mm                | 2    |             |
| 4540  | A906317  | TORSION SPRING RH           | 1    |             |
| 4542  | MBF1040  | PIN WA                      | 2    |             |
| 4543  | MBF1001  | DIVERter CAM RING           | 2    |             |
| 4544  | A203601  | BEARING, 12x32x10           | 4    |             |

## LEFT AND CENTRE LIFT ARMS



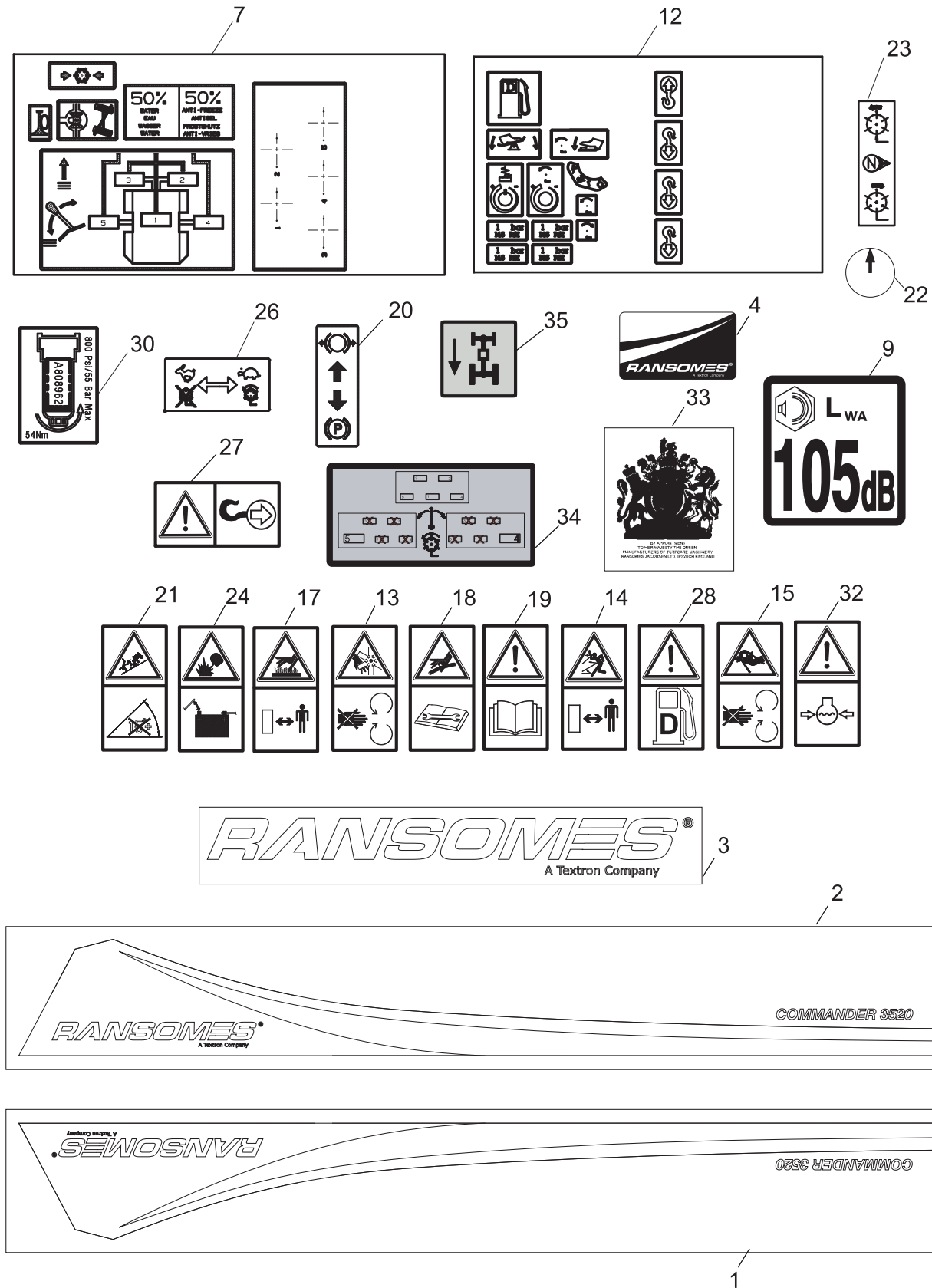
| ITEM  | PART NO. | DESCRIPTION                 | QTY. | REMARKS                  |
|-------|----------|-----------------------------|------|--------------------------|
| 4417  | MBF1151  | LIFT ARM LH WA              | 1    | Use 002190160 BRASS BUSH |
| 4418  | A219331  | NYLON BUSH.                 | 2    |                          |
| 4419  | MBE3670B | LIFT ARM - CENTRE.          | 1    | Use 002190160 BRASS BUSH |
| 4420  | A219331  | NYLON BUSH.                 | 2    |                          |
| 4421* | MBG2723A | BRACKET                     | 1    |                          |
| 4422* | MBF2057  | LEVER LH WA                 | 1    |                          |
| 4423* | 450192   | SCREW, M8 x 25, HEX HD      | 1    |                          |
| 4424  | MBF2042  | SUPPORT PLATE LH W/ASSY.    | 1    |                          |
| 4425  | MBE3699A | PIN. (RAM SUPPORT)          | 2    |                          |
| 4426* | 450852   | SCREW, M6 x 16, SCKT CSK    | 2    |                          |
| 4427  | MBE3963C | PIVOT SHAFT W/ASSY.         | 1    |                          |
| 4428* | 450324   | NUT, M8                     | 1    |                          |
| 4429* | 450168   | SCREW, M6 x 12, HEX HD      | 2    |                          |
| 4430* | A181434  | SCREW, M3 x 45              | 2    |                          |
| 4431* | A182003  | NUT, M3                     | 2    |                          |
| 4432* | A183003  | WASHER, 3 mm                | 2    |                          |
| 4433  | MBG3086A | WING UNIT PIN               | 1    |                          |
| 4434  | MBE4540  | HOOK W/ASSY.                | 1    |                          |
| 4435  | 450382   | NUT, M16 NYLOC              | 1    |                          |
| 4436  | 450192   | SCREW, M8 x 25, HEX HD      | 1    |                          |
| 4437  | 450324   | NUT, M8                     | 1    |                          |
| 4438  | MBF1002  | PLUNGER                     | 1    |                          |
| 4439  | A291128  | COMPRESSION SPRING          | 1    |                          |
| 4440  | A902734  | HYDRAULIC RAM               | 1    |                          |
| 4441  | A902811  | HYDRAULIC RAM               | 1    |                          |
| 4442  | 450729   | SCREW, M8 x 50, SCKT CAP HD | 2    |                          |
| 4443  | 450411   | S.L.WASHER, M8              | 2    |                          |
| 4444  | MBE0115  | WASHER.                     | 2    |                          |
| 4445  | 450477   | SCREW, M10 x 20             | 2    | VERBUS RIPP              |
| 4446  | A299301  | LUBRICATOR                  | 2    |                          |
| 4447  | 450383   | NUT, M20 NYLOC              | 2    |                          |
| 4448  | 450380   | NUT, M12 NYLOC              | 2    |                          |
| 4449  | 450392   | WASHER, M12                 | 2    |                          |
| 4450  | MBE0265  | PISTON PIN.                 | 2    |                          |
| 4451  | 450392   | WASHER, M12                 | 4    |                          |
| 4452  | 451241   | SPLIT PIN, 3.2 x 22         | 4    |                          |
| 4453  | A299411  | VIBRATION MOUNT             | 1    |                          |
| 4454  | MBE4000  | WASHER.                     | 1    |                          |
| 4455  | 450052   | BOLT, M12 x 60, HEX HD      | 1    |                          |
| 4456  | 450380   | NUT, M12 NYLOC              | 1    |                          |
| 4457  | 450192   | SCREW, M8 x 25, HEX HD      | 2    |                          |
| 4458  | 450378   | NUT, M8 NYLOC               | 2    |                          |
| 4459  | 450020   | BOLT, M8 x 60, HEX HD       | 2    |                          |
| 4460  | 450378   | NUT, M8 NYLOC               | 2    |                          |

## LEFT AND CENTRE LIFT ARMS



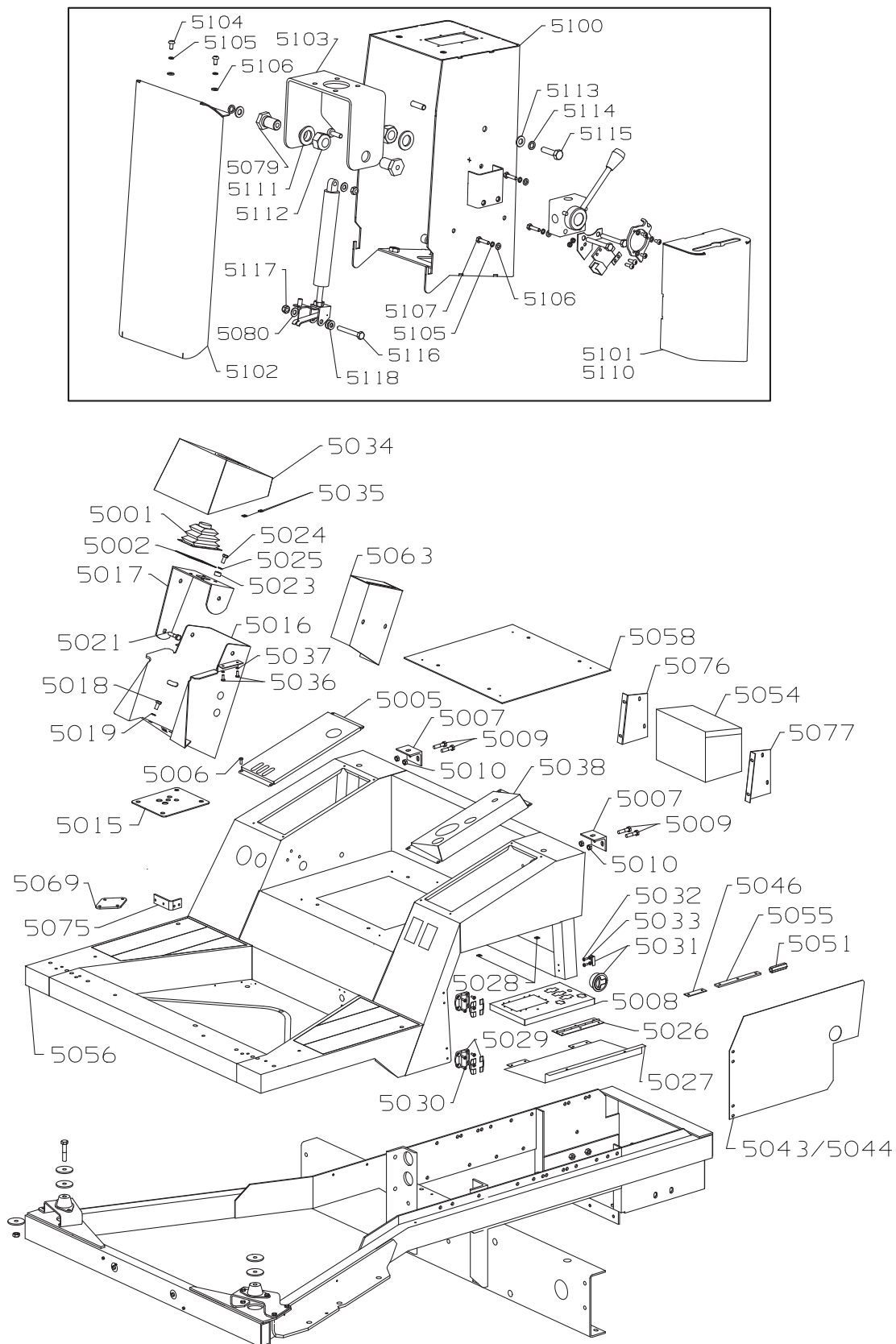
| ITEM  | PART NO. | DESCRIPTION             | QTY. | REMARKS        |
|-------|----------|-------------------------|------|----------------|
| 4461  | 450048   | BOLT, M12 x 40, HEX HD  | 2    | FOR 4417, 4419 |
| 4462  | 450380   | NUT, M12 NYLOC          | 2    |                |
| 4463  | 450651   | SCREW, M10 x 30, CSK HD | 2    |                |
| 4464  | 450379   | NUT, M10 NYLOC          | 2    |                |
| 4465  | 450191   | SCREW, M8 x 20, HEX HD  | 2    |                |
| 4466  | A299022  | KNOB                    | 1    |                |
| 4467  | 450242   | SCREW, M12 x 35, HEX HD | 1    |                |
| 4468  | 450380   | NUT, M12 NYLOC          | 1    |                |
| 4469  | A292100  | DISC SPRINGS            | 2    |                |
| 4470  | 450327   | NUT, M16                | 1    |                |
| 4471  | 450382   | NUT, M16 NYLOC          | 1    |                |
| 4472  | MBG3772  | CLAMP CAP.              | 2    |                |
| 4473  | A100975  | BOLT, M10 x 45, HEX HD  | 8    |                |
| 4474  | 450412   | S.L.WASHER, M10         | 8    |                |
| 4475  | MBC0092D | SHAFT.                  | 2    |                |
| 4476  | MBE0297  | COLLAR.                 | 2    |                |
| 4477  | MBG4592  | COLLAR                  | 2    |                |
| 4541* | A906316  | TORSION SPRING LH       | 1    |                |
| 4542* | MBF1040  | PIN WA                  | 2    |                |
| 4543* | MBF1001  | DIVERter CAM RING       | 2    |                |
| 4544* | A203601  | BEARING, 12x32x10       | 4    |                |

DECALS



| ITEM | PART NO.  | DESCRIPTION                   | QTY. | REMARKS |
|------|-----------|-------------------------------|------|---------|
|      | IDL0119   | COMMANDER DECAL KIT           | 1    |         |
| 1    | 4125621   | DECAL - R/H Commander 3520    | 1    |         |
| 2    | 4125622   | DECAL - L/H Commander 3520    | 1    |         |
| 3    | 4125605   | Decal - 10 Ransomes Lettering | 1    |         |
| 4    | 4124185   | DECAL - "RANSOMES" EMBLEM     | 1    |         |
| 7    | 009114290 | SET OF DECALS                 | 1    |         |
| 9    | 009034770 | DECAL - NOISE 105 dB          | 1    |         |
| 12   | 009033420 | SET OF DECAL:                 | 1    |         |
| 13   | 009034880 | DECAL - FAN                   | 1    |         |
| 14   | 009034890 | DECAL - BYSTANDER WARNING     | 1    |         |
| 15   | 009034900 | DECAL - BELT                  | 1    |         |
| 17   | 009034920 | DECAL - HOT                   | 3    |         |
| 18   | 009034930 | DECAL - HYD PRESS LEAK        | 4    |         |
| 19   | 009034910 | DECAL - INSTRUCTION           | 1    |         |
| 20   | 009239820 | DECAL - PARKING BRAKE         | 1    |         |
| 21   | 009114160 | DECAL - SLOPE 15 DEG          | 1    |         |
| 22   | 2000616   | LABEL - ADJUST KNOBS          | 1    |         |
| 23   | 009039800 | DECAL - MOW VALVE             | 1    |         |
| 24   | 009114100 | DECAL - BATTERY               | 2    |         |
| 26   | 009239700 | DECAL - TRANSPORT CUTTING     | 1    |         |
| 27   | 009114480 | DECAL - TOWING WARNING        | 2    |         |
| 28   | 009114340 | DECAL - DIESEL,HAZARD         | 1    |         |
| 30   | 009239050 | DECAL - HYDRAULIC FILTER      | 1    |         |
| 32   | 4118415   | DECAL - COOLANT HAZARD        | 1    |         |
| 33   | 009036216 | LABEL - COAT OF ARMS          | 1    |         |
| 34   | 4135450   | DECAL - SINGLE CUT            | 1    |         |
| 35   | 4135451   | DECAL - REVERSE 4WD           | 1    |         |
| 36*  | 4146857   | DECAL-SEAT BELT ROPS          | 1    |         |
| 37*  | 4153197   | DECAL-PRESSURE WASH           | 1    |         |

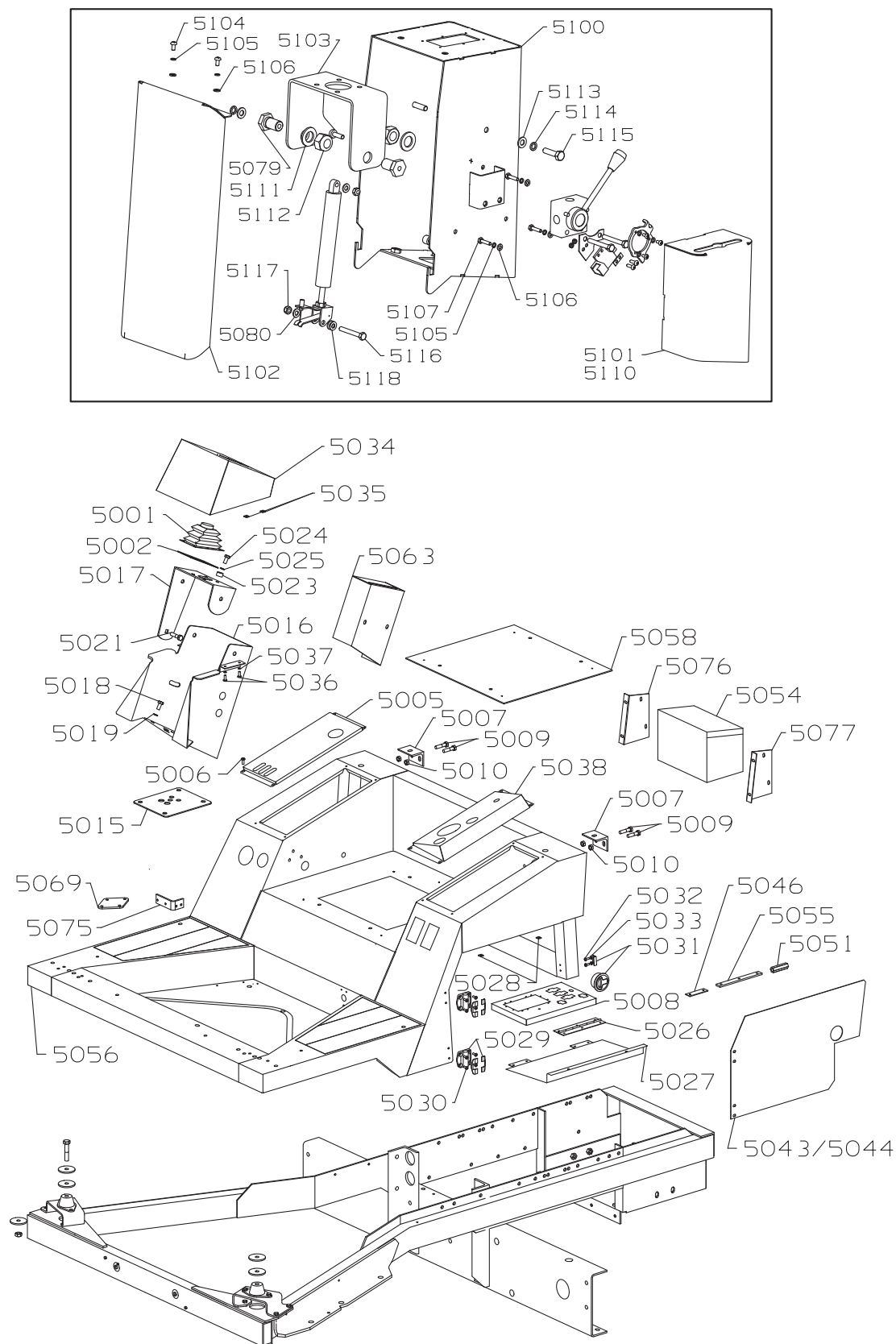
## OPERATOR'S PLATFORM





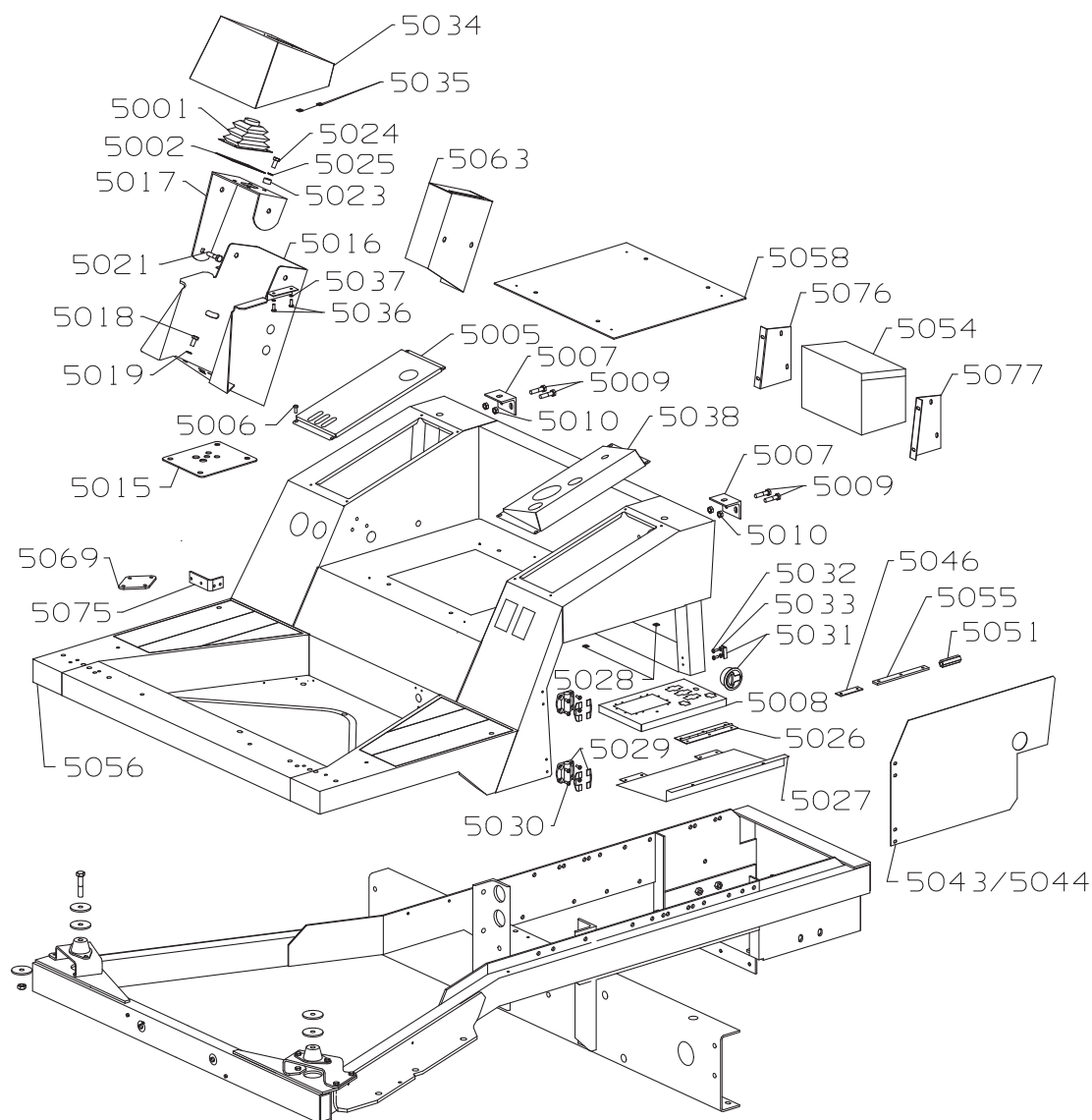
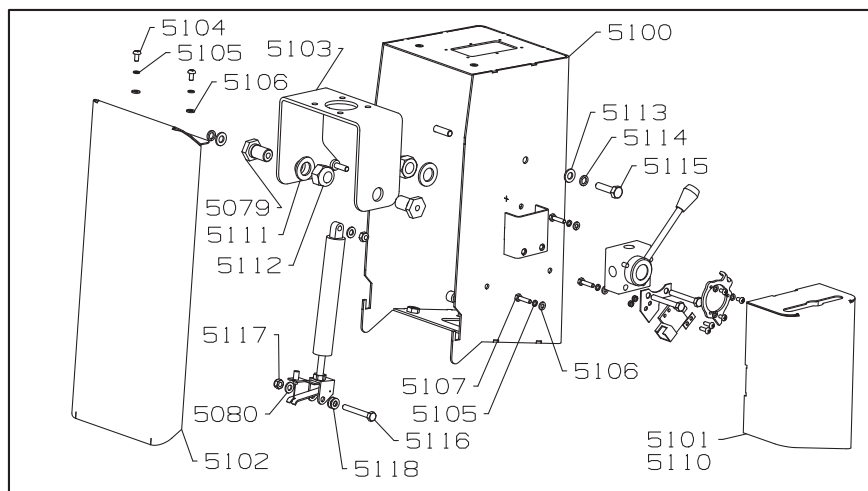
| ITEM  | PART NO. | DESCRIPTION                 | QTY. | REMARKS                       |
|-------|----------|-----------------------------|------|-------------------------------|
| 5001  | A913416  | GAITER (STEER FRAME)        | 1    | Analog Display<br>LCD Display |
| 5002  | MBE3961B | BEZEL - STEERING.           | 1    |                               |
| 5003* | A149605  | RIVET, 1/8 x 5/16           | 6    |                               |
| 5004* | A295332  | DIAPHRAGM GROMMET           | 6    |                               |
| 5005  | MBG3179  | VALVE COVER                 | 1    |                               |
| 5006  | 452692   | SCREW, M6 x 12, HEX TAPTITE | 4    |                               |
| 5007  | MBE3920A | CAB MOUNTING BRACKET.       | 2    |                               |
| 5008  | MBG3557  | RELAY PLATE.                | 1    |                               |
| *     | 4138478  | RELAY & FUSE PLATE          | 1    |                               |
| 5009  | 450214   | SCREW, M10 x 25, HEX HD     | 4    |                               |
| 5010  | 450379   | NUT, M10 NYLOC              | 4    |                               |
| 5015  | MBG6634  | STEERING COLUMN MAT         | 1    |                               |
| 5016  | MBF2105  | SUPPORT BRKT. W/ASSY.       | 1    |                               |
| 5017  | MBF2059  | STEERING UNIT BRKT.         | 1    |                               |
| 5018  | 450215   | SCREW, M10 x 30, HEX HD     | 6    |                               |
| 5019  | 450412   | S.L.WASHER, M10             | 6    |                               |
| 5021  | 452585   | BOLT, M10 x 25, SQ NECK     | 1    |                               |
| 5023  | MBC5963  | PACKER                      | 4    |                               |
| 5024  | 450029   | BOLT, M10 x 35, HEX HD      | 4    |                               |
| 5025  | 450412   | S.L.WASHER, M10             | 4    |                               |
| 5026  | MBE3165A | TOOLBOX HINGE.              | 1    |                               |
| 5027  | MBE4141C | FLOOR PLATE W/ASSY.         | 1    |                               |
| 5028  | A907207  | SPECIAL WASHER              | 7    |                               |
| 5029  | A299104  | HINGE                       | 4    |                               |
| 5030  | 450528   | SCREW, M5 x 16, PAN HD      | 8    |                               |
| 5031  | A199065  | LATCH                       | 2    |                               |
| 5032  | 450528   | SCREW, M5 x 16, PAN HD      | 4    |                               |
| 5033  | 450388   | WASHER, M5                  | 4    |                               |
| 5034  | MBF2123  | STEERING UNIT COVER.        | 1    |                               |
| 5035  | A139401  | NUT, M6                     | 4    |                               |
| 5036  | 450170   | SCREW, M6 x 16, HEX HD      | 4    |                               |
| 5037  | 450410   | S.L.WASHER, M6              | 4    |                               |
| 5038  | MBG0438  | CONTROL PANEL               | 1    |                               |
| *     | 4137783  | CONTROL PANEL               | 1    |                               |
| 5039* | 452692   | SCREW, M6 x 12, HEX TAPTITE | 6    |                               |
| 5040* | 450528   | SCREW, M5 x 16, PAN HD      | 7    |                               |
| 5041* | 450388   | WASHER, M5                  | 7    |                               |
| 5042* | 450376   | NUT, M5 NYLOC               | 7    |                               |
| 5043  | MBG0518  | RH DOOR PANEL               | 1    | MBE3947C                      |
| 5044  | MBG3281  | LH DOOR PANEL               | 1    | MBE3948C                      |
| 5045  | MBE4437  | TOOLBOX W/ASSY.             | 1    |                               |
| 5046  | MBE4494  | HINGE PACKER.               | 2    |                               |
| 5050* | A295331  | GROMMET                     | 1    |                               |
| 5051  | MBE4547A | RELAY PANEL SPACER.         | 1    | Analog Display                |

## OPERATOR'S PLATFORM



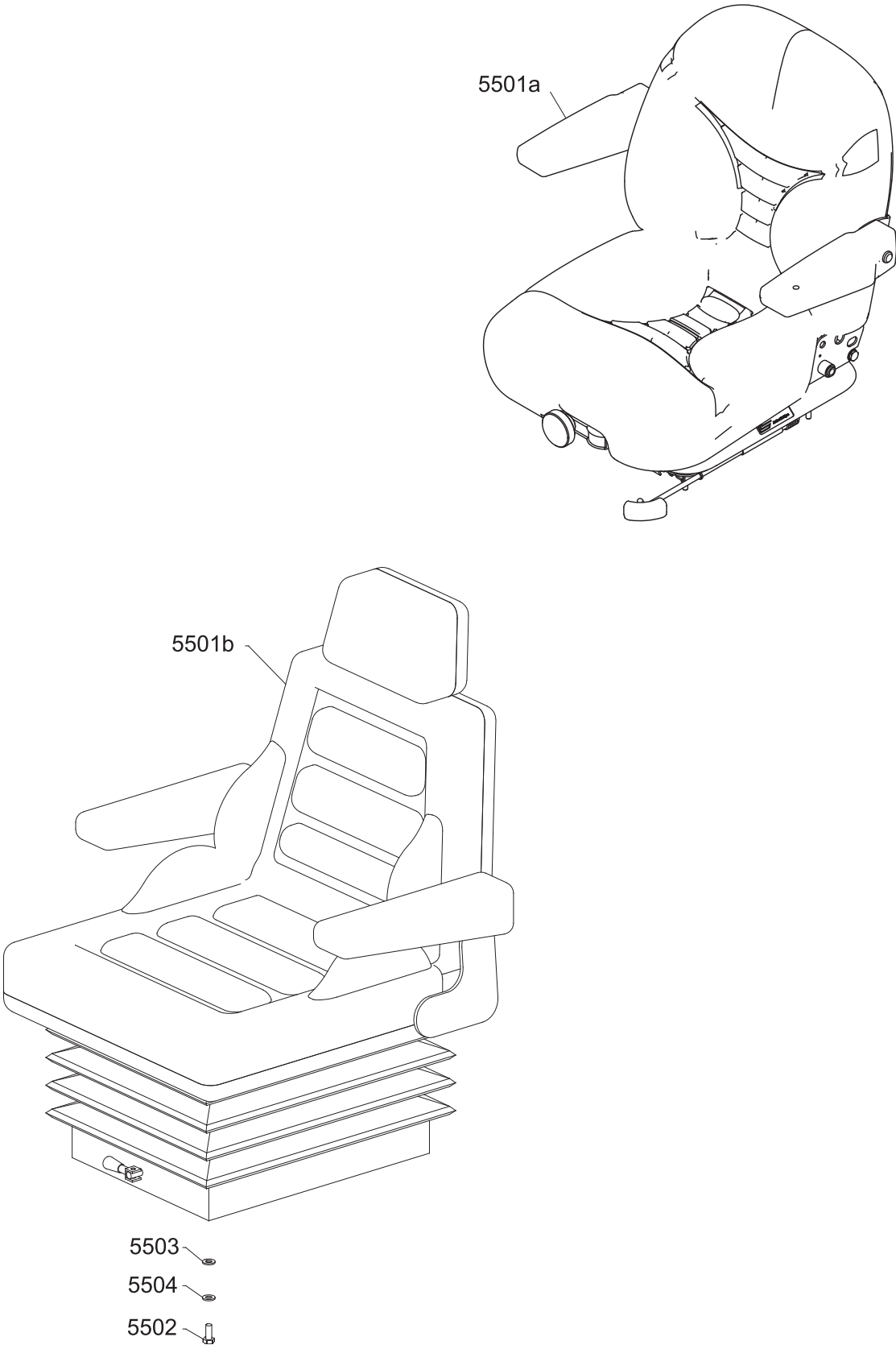
| ITEM                | PART NO. | DESCRIPTION               | QTY. | REMARKS        |
|---------------------|----------|---------------------------|------|----------------|
| 5052*               | 450191   | SCREW, M8 x 20, HEX HD    | 2    |                |
| 5053*               | 450411   | S.L.WASHER, M8            | 2    |                |
| 5054*               | 450390   | WASHER, M8                | 2    |                |
| 5055                | MBE4643  | RELAY PLATE PACKER.       | 1    |                |
| 5056                | MBF2077  | OPS COMPARTMENT           | 1    |                |
| 5057*               | A298904  | SAFETY WALK STRIP         | 3    |                |
| 5058                | MBG2914  | SEAT PLATE                | 1    |                |
| 5059*               | 450369   | NUTSERT, M8 A-L 1ST GRIP  | 4    |                |
| 5060*               | 450188   | SCREW, M8 x 12, HEX HD    | 4    |                |
| 5061*               | 450411   | S.L.WASHER, M8            | 4    |                |
| 5063                | MBG6068  | VALVE COVER               | 1    |                |
| 5066*               | 450324   | NUT, M8                   | 6    |                |
| 5067*               | 450390   | WASHER, M8                | 4    |                |
| 5068*               | 450378   | NUT, M8 NYLOC             | 2    |                |
| 5069                | MBG6119  | FILTER BRACKET            | 1    |                |
| 5070*               | A119003  | SCREW, 5/16 UNC x 3/4     | 3    |                |
| 5071*               | 450191   | SCREW, M8 x 20, HEX HD    | 1    |                |
| 5072*               | 450378   | NUT, M8 NYLOC             | 1    |                |
| 5073*               | 450390   | WASHER, M8                | 4    |                |
| 5075                | MBG3189  | NEEDLE VALVE BRACKET      | 1    |                |
| 5076                | MBG3320  | BRACKET RH                | 1    |                |
| 5077                | MBG3321  | BRACKET LH                | 1    |                |
| 5078*               | 450369   | NUTSERT-M8 A-L x 17.5     | 4    |                |
| 5079                | MBG5859  | SHOULDER BOLT (M10/M20)   | 2    | USED ITEM 5016 |
| 5080                | MBG5860  | SPACER (DIA.16 x 12 WIDE) | 1    | USED ITEM 5016 |
| 5081*               | MBG5861  | SPACER (DIA.16 x 3 WIDE)  | 1    | USED ITEM 5016 |
| 5083*               | AC013    | SOUND REDUCTION KIT       | 1    |                |
| 5084*               | A295263  | END CAP                   | 2    | 50 x 50        |
| <b>LATER MODELS</b> |          |                           |      |                |
| 5100                | MBF2224  | STEER TOWER               | 1    |                |
| 5101                | MBG6498  | COVER BRAKE               | 1    |                |
| 5102                | MBF2253  | FRONT COVER               | 1    |                |
| 5103                | MBF2227  | STEER BRACKET             | 1    |                |
| 5104                | 450539   | SCREW-PAN M6x12           | 2    |                |
| 5105                | 450410   | LOCKWASHER-M6             | 5    |                |
| 5106                | 450389   | WASHER-M6                 | 5    |                |
| 5107                | 450000   | BOLT-M6x25                | 3    |                |
| 5110                | 450357   | NUTSERT-M6                | 3    |                |
| 5111                | 450394   | WASHER-M20                | 2    |                |
| 5112                | 450383   | NYLOC NUT-M20             | 2    |                |
| 5113                | 450391   | WASHER-M10                | 2    |                |
| 5114                | 450412   | LOCKWASHER-M10            | 2    |                |

## OPERATOR'S PLATFORM



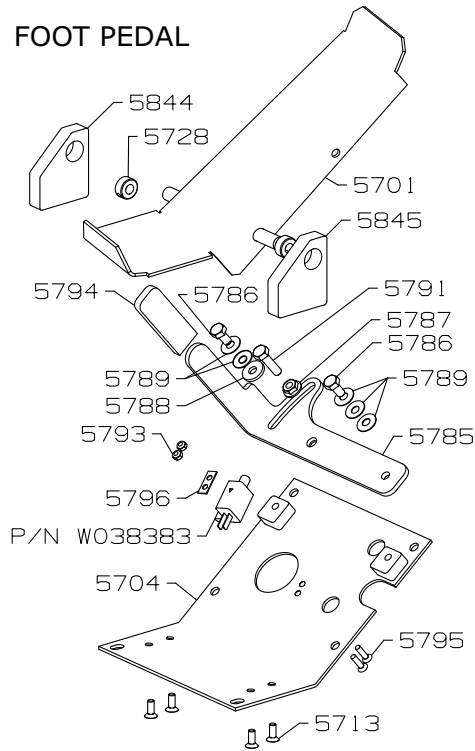
| ITEM | PART NO. | DESCRIPTION      | QTY. | REMARKS |
|------|----------|------------------|------|---------|
| 5115 | 450217   | BOLT-M10x40      | 2    |         |
| 5116 | 450020   | BOLT-HEX M8x60   | 1    |         |
| 5117 | 450378   | NUT-HEX M8 NYLOC | 2    |         |
| 5118 | 450390   | WASHER-M8        | AR   |         |

SEAT AND FRAME

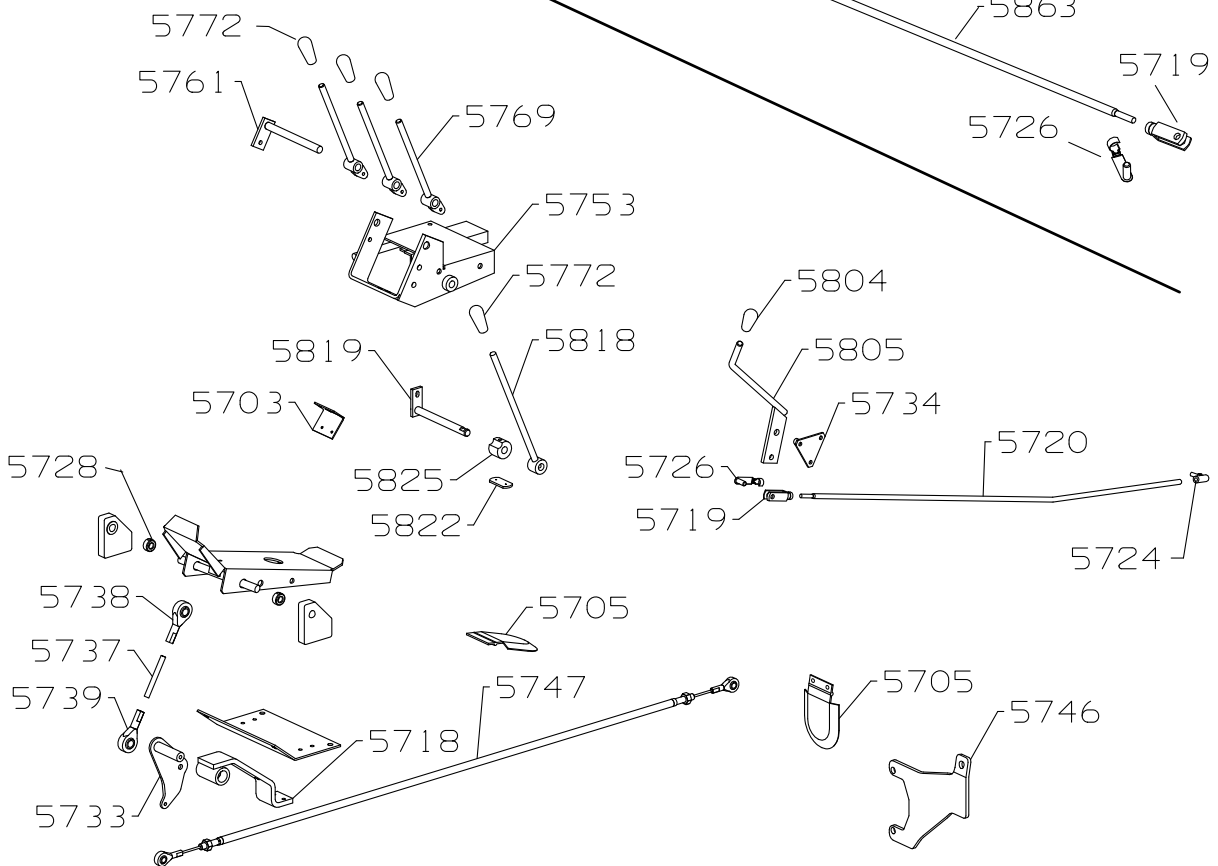
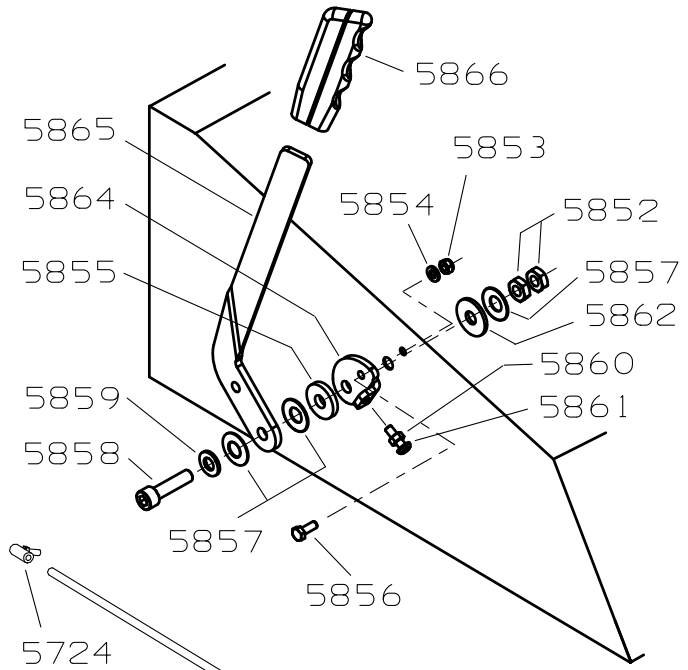


| ITEM  | PART NO.  | DESCRIPTION            | QTY. | REMARKS |
|-------|-----------|------------------------|------|---------|
| 5501a | 4137966   | SEAT, GRAMMER MSG85    | 1    |         |
| 5501b | 008199400 | SEAT, GRAMMER S85/90R  | 1    |         |
| 5502  | 450191    | SCREW, M8 x 20, HEX HD | 4    |         |
| 5503  | 450390    | WASHER, M8             | 4    |         |
| 5504  | 450411    | S.L.WASHER, M8         | 4    |         |

FOOT PEDAL



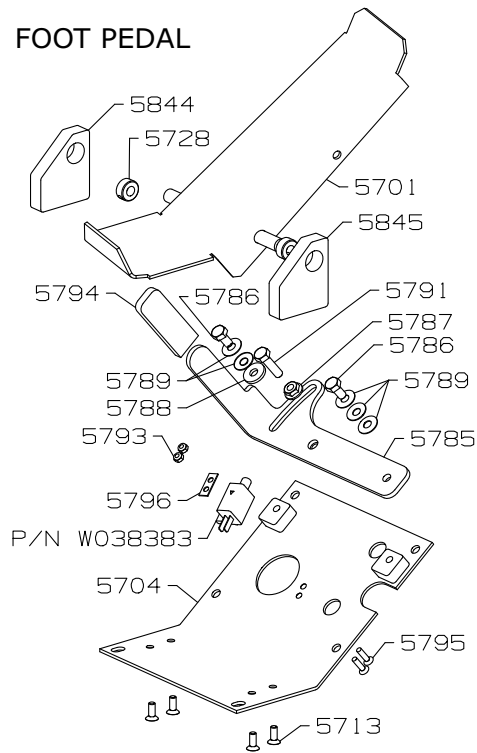
THROTTLE LEVER from serial number CG000323



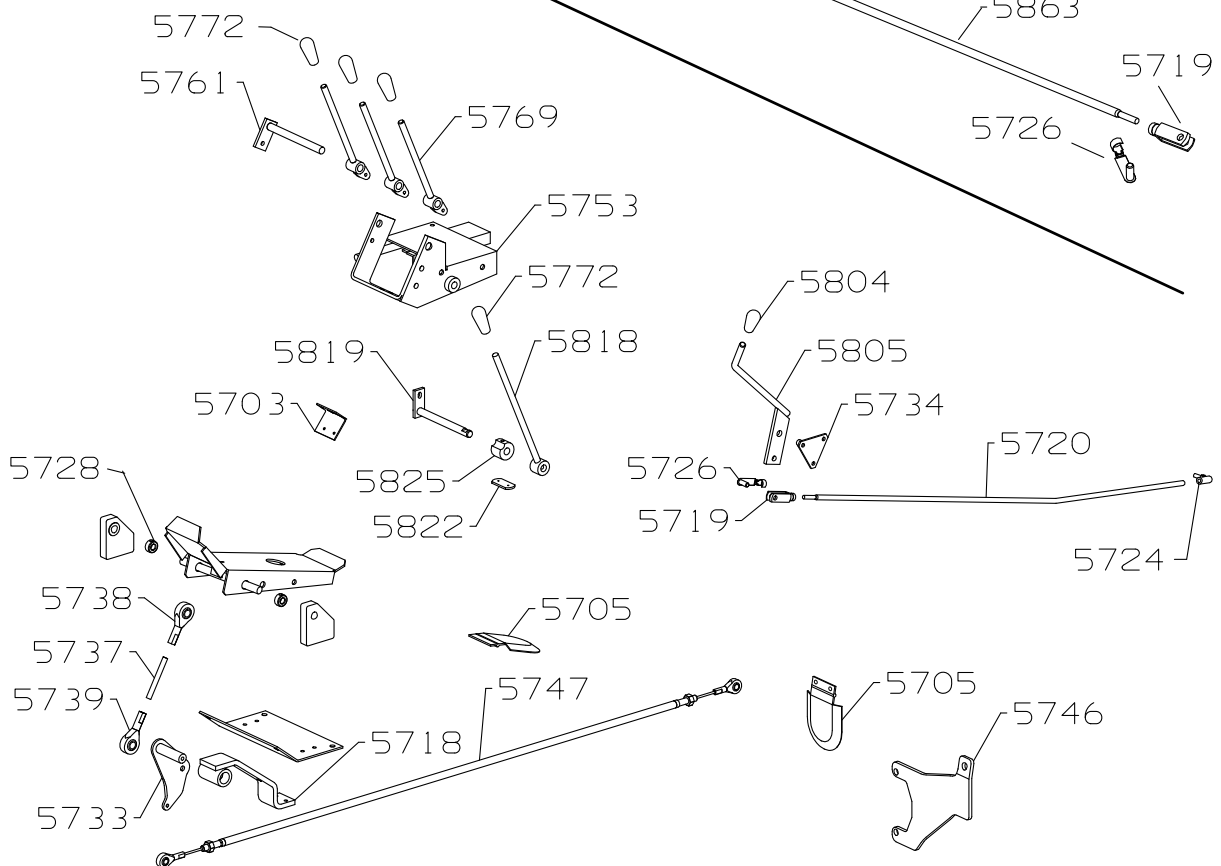
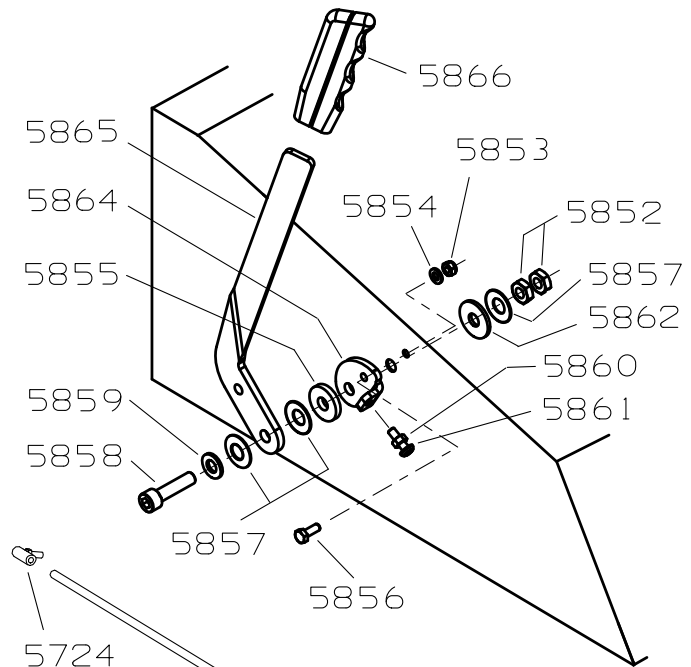


| ITEM  | PART NO.  | DESCRIPTION                | QTY. | REMARKS                  |
|-------|-----------|----------------------------|------|--------------------------|
| 5701  | MBF2072   | FOOTPEDAL                  | 1    | Unit Drive & 4WD Reverse |
| 5702* | A298904   | SAFETY WALK STRIP          | 4    |                          |
| 5703  | MBE3466A  | BRACKET - MICRO SWITCH.    | 1    |                          |
| 5704  | MBF2186   | BASE PLATE - NEUTRAL STOP  | 1    |                          |
| 5705  | MBE3313C  | PAD W/ASSY.                | 2    |                          |
| 5706* | 450608    | SCREW, M5 x 20, CSK HD     | 4    |                          |
| 5707* | 450409    | S.L.WASHER, M5             | 4    |                          |
| 5708* | 450322    | NUT, M5                    | 4    |                          |
| 5709* | A291054   | SPRING                     | 2    |                          |
| 5710* | A109185   | WELDBOLT, M8 x30           | 2    |                          |
| 5711* | 450378    | NUT, M8 NYLOC              | 2    |                          |
| 5713* | 450619    | SCREW, M6 x 16, CSK HD     | 4    |                          |
| 5714* | 450191    | SCREW, M8 x 20, HEX HD     | 4    |                          |
| 5715* | 450390    | WASHER, M8                 | 4    |                          |
| 5716* | 450193    | SCREW, M8 x 30, HEX HD     | 1    |                          |
| 5717* | 450324    | NUT, M8                    | 1    |                          |
| 5718  | MBE4091   | BRACKET - BUSHED ASSY.     | 1    |                          |
| *     | A210115   | BUSH                       | 2    |                          |
| 5719  | A194904   | CLEVIS, M8                 | 1    |                          |
| 5720  | MBG0534   | THROTTLE LINK              | 1    | to serial no xxxx        |
| 5721* | 450377    | NUT, M6 NYLOC              | 1    |                          |
| 5722* | 450389    | WASHER, M6                 | 1    |                          |
| 5723* | 450323    | NUT, M6                    | 1    |                          |
| 5724  | A814501   | BALL JOINT                 | 1    |                          |
| 5725* | 450324    | NUT, M8                    | 1    |                          |
| 5726  | A149066   | SPRING CLIP                | 1    |                          |
| 5727* | 450378    | NUT, M8 NYLOC              | 1    |                          |
| 5728  | MBF0654A  | SET COLLAR                 | 2    |                          |
| 5730* | A119004   | SCREW, No.10 x 1/2         | 2    |                          |
| 5731* | A139325   | NUT, No.10-24              | 2    | to serial no xxxx        |
| 5732* | 450388    | WASHER, M5                 | 4    |                          |
| 5733  | MBE4118B  | LEVER W/ASSY.              | 1    |                          |
| 5734  | MBF0205   | THROTTLE BRACKET           | 1    |                          |
| 5735* | 450393    | WASHER, M16                | 1    |                          |
| 5736* | 452041    | EXT CIRCLIP, 16 mm         | 1    |                          |
| 5737  | MBF1106   | CABLE ROD                  | 1    |                          |
| 5738  | A814513   | ROD END LH                 | 1    |                          |
| 5739  | A814514   | ROD END RH                 | 1    |                          |
| 5740* | GSF2052BB | LOCKNUT 5/16 UNF LH        | 1    |                          |
| 5741* | GSF2052AB | LOCKNUT 5/16 UNF RH        | 1    | WITH SAUER PUMP          |
| 5742* | A292071   | DISC SPRING                | 2    |                          |
| 5743* | A295340   | GROMMET 31.8 PH-1.2PT-25.4 | 2    |                          |
| 5744* | W43067A   | COLLAR - SET.              | 2    |                          |
| 5746  | MBG4085C  | CABLE BRACKET              | 1    |                          |

FOOT PEDAL

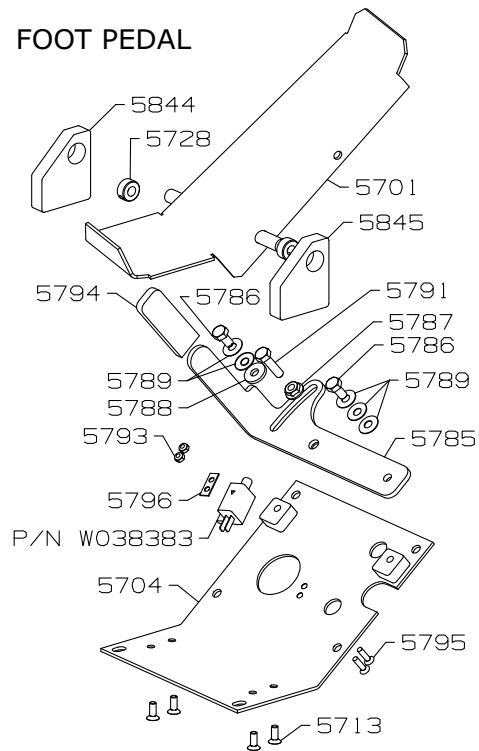


THROTTLE LEVER from serial number CG000323

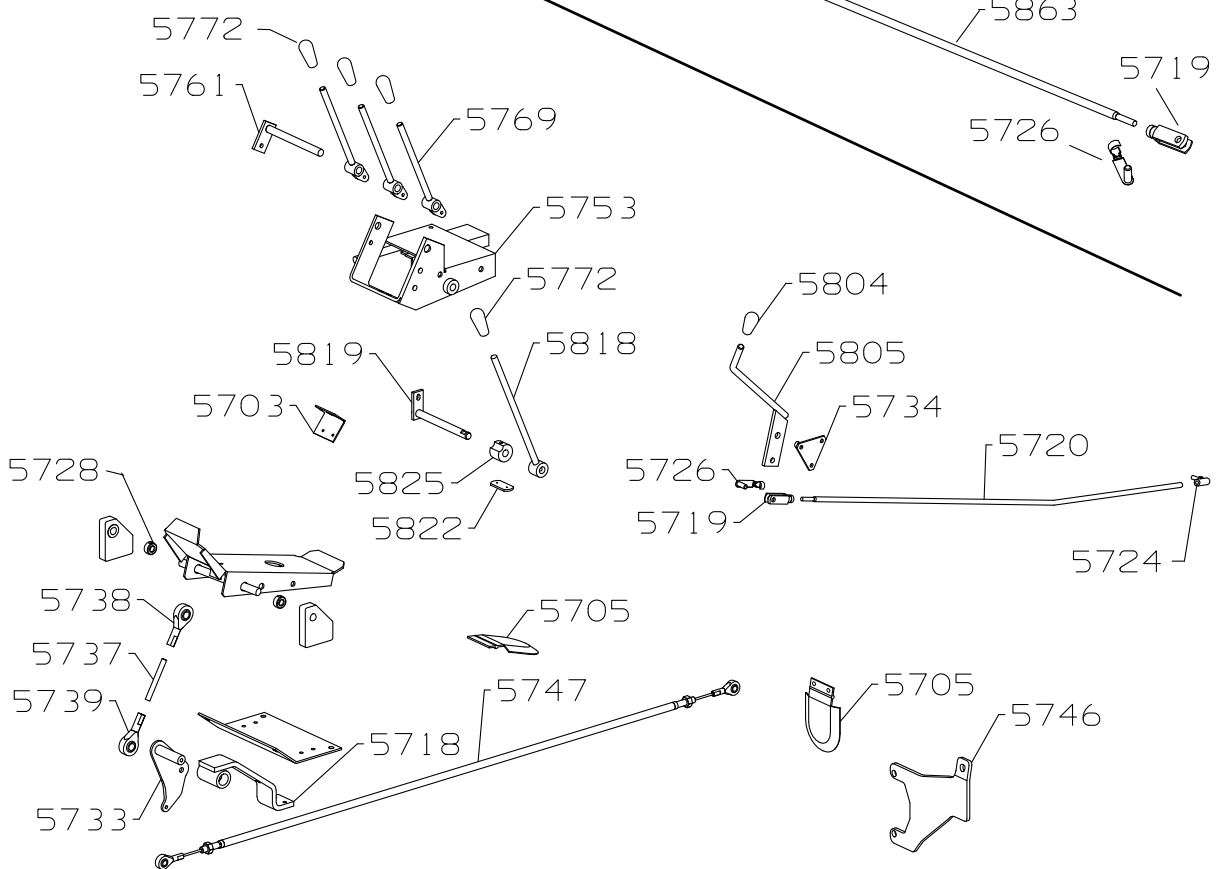
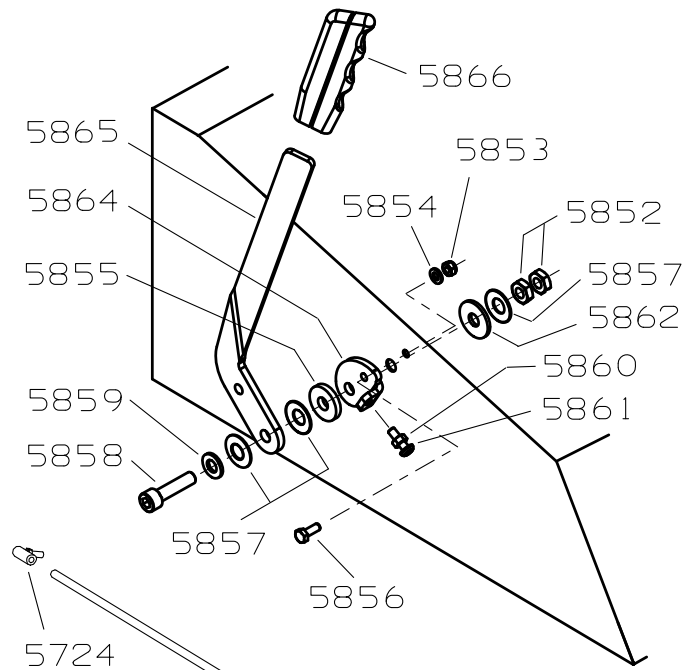


| ITEM  | PART NO. | DESCRIPTION              | QTY. | REMARKS            |
|-------|----------|--------------------------|------|--------------------|
| 5747  | A811106  | CONTROL CABLE            | 1    | SAUER PUMP         |
| 5748* | 450739   | SCREW, M10 x 30, SCKT HD | 2    |                    |
| 5749* | 450391   | WASHER, M10              | 4    |                    |
| 5750* | 450412   | S.L.WASHER, M10          | 2    |                    |
| 5753  | MBF2113  | VALVE BRACKET W.A.       | 1    |                    |
| *     | A219340  | BUSH                     | 2    | FOR ITEM 5753      |
| 5754* | 450005   | BOLT, M6 x 50, HEX HD    | 2    |                    |
| 5755* | 450389   | WASHER, M6               | 2    |                    |
| 5756* | 450377   | NUT, M6 NYLOC            | 2    |                    |
| 5757* | 450192   | SCREW, M8 x 25, HEX HD   | 4    |                    |
| 5758* | 450390   | WASHER, M8               | 4    |                    |
| 5759* | 450378   | NUT, M8 NYLOC            | 4    |                    |
| 5761  | MBE4216A | PIN W/ASSY.              | 1    |                    |
| 5762* | 450171   | SCREW, M6 x 20, HEX HD   | 1    |                    |
| 5763* | 450377   | NUT, M6 NYLOC            | 1    |                    |
| 5765* | A380202  | CONNECTING LINK          | 3    |                    |
| 5769  | MBF1180A | LEVER W.A.               | 3    |                    |
| *     | A219340  | BUSH                     | 6    | FOR ITEM 5769      |
| 5772  | A299022  | KNOB                     | 4    |                    |
| 5773* | 450392   | WASHER, M12              | 4    |                    |
| 5776* | AG12040  | SPACER - 12x20x40        | 1    | INNER END FOR 5769 |
| 5780  | MBF1461A | WASHER                   | 1    | FOR CABLE A811106  |
| 5781  | MBF1635  | WASHER                   | 1    | FOR CABLE A811106  |
| 5782  | 450154   | SCREW, M5 x 30, HEX HD   | 1    | FOR CABLE A811106  |
| 5783  | 450376   | NUT, M5 NYLOC            | 1    | FOR CABLE A811106  |
| 5784  | 450409   | S.L.WASHER, M5           | 1    | FOR CABLE A811106  |
| 5785  | MBF2187  | PEDAL STOP               | 1    |                    |
| 5786  | 450190   | SCRW-HEX M8 x 16         | 2    |                    |
| 5787  | 450453   | NUT-HEX M8 VERBUS RIP    | 1    |                    |
| 5788  | A907207  | WSHR-M8                  | 1    |                    |
| 5789  | A292071  | SPRG-DISC 8.2 x 20 x 0.8 | 2    |                    |
| 5791  | 450193   | SCRW-HEX M8 x 30         | 1    |                    |
| 5793  | 450376   | NUT-HEX M5 NYLOC         | 2    |                    |
| 5794  | A914200  | COVER HANDLE             | 1    |                    |
| 5795  | A119131  | SCRW-CSK M5 x 16 TAPTITE | 2    |                    |
| 5796  | MBF0918  | CLAMP PLATE              | 1    |                    |
| 5804  | A299022  | KNOB                     | 1    | to serial no xxxx  |
| 5805  | MBF0206  | THROTTLE LEVER           | 1    | to serial no xxxx  |
| 5806* | 450391   | WASHER, M10              | 1    |                    |
| 5807* | 450332   | NUT, M10 THIN            | 2    |                    |
| 5808* | A292083  | DISC SPRING WASHER       | 2    |                    |
| 5809* | 450171   | SCREW, M6 x 20, HEX HD   | 2    |                    |
| 5810* | 450389   | WASHER, M6               | 3    |                    |
| 5811* | 450020   | BOLT, M8 x 60, HEX HD    | 1    |                    |

FOOT PEDAL

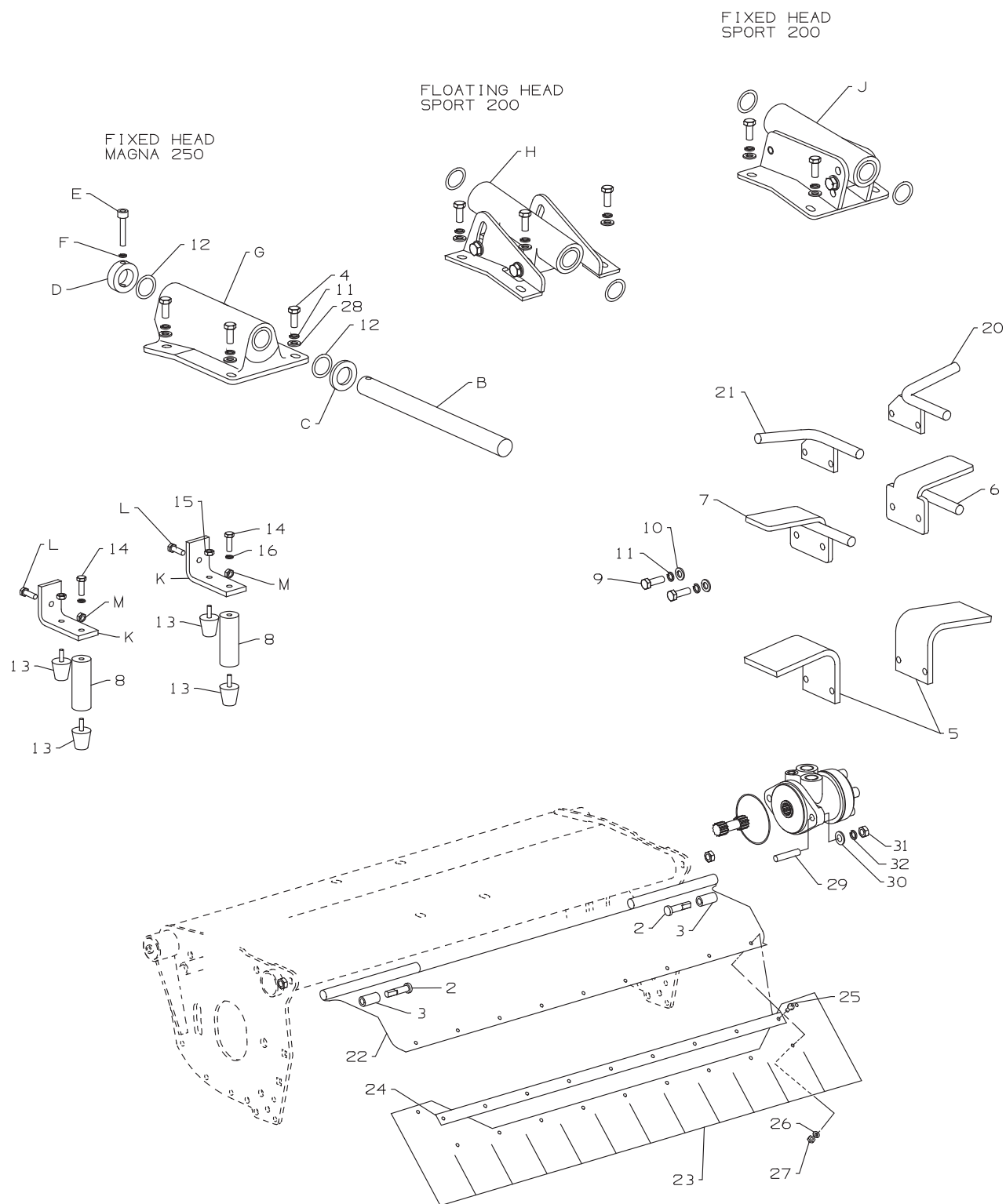


THROTTLE LEVER from serial number CG000323

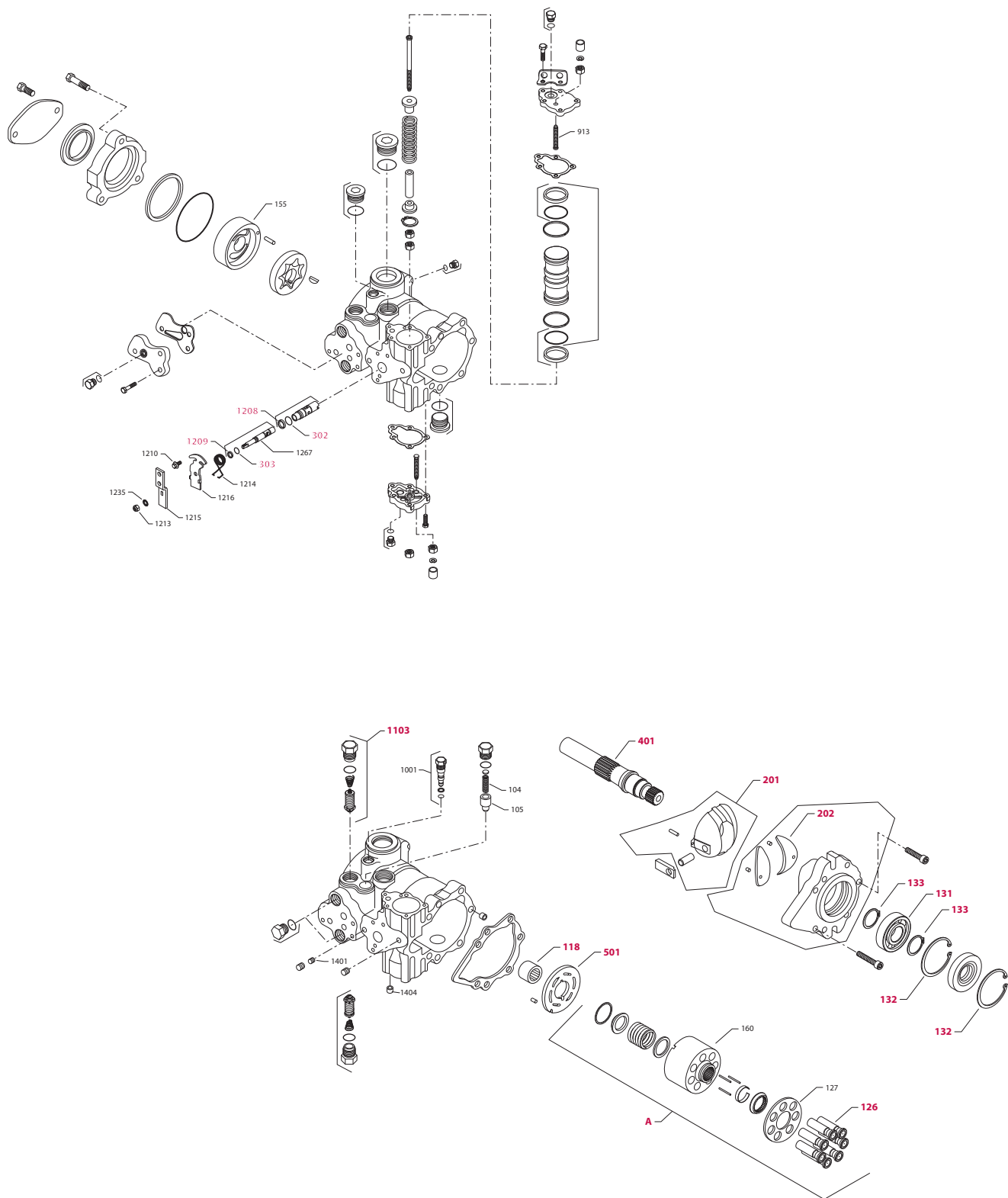


| ITEM  | PART NO.  | DESCRIPTION                  | QTY. | REMARKS                 |
|-------|-----------|------------------------------|------|-------------------------|
| 5812* | 450003    | BOLT, M6 x 40, HEX HD        | 1    |                         |
| 5814* | 450410    | S.L.WASHER, M6               | 3    |                         |
| 5815* | 450377    | NUT, M6 NYLOC                | 3    |                         |
| 5816* | 450154    | SCREW, M5 x 30, HEX HD       | 3    |                         |
| 5817* | 450376    | NUT, M5 NYLOC                | 1    |                         |
| 5818  | MBF2118   | WLDMT-FNR LEVER              | 1    |                         |
| 5819  | MBF2119   | WLDMT-FNR SHAFT              | 1    |                         |
| 5822  | MBE3504   | MIC.SWITCH KEEP PLATE.       | 1    |                         |
| 5823* | A119210   | SCREW, M3 x 40               | 2    |                         |
| 5824* | A183003   | WASHER, 3 mm                 | 2    |                         |
| 5825  | MBF0155   | CAM-MICROSWITCH              | 1    |                         |
| 5826* | 450959    | SETSCREW, M6 x 8, CUP PNT    | 1    |                         |
| 5827* | A219335   | NYLINER BEARING              | 1    |                         |
| 5828* | W43067A   | COLLAR - SET.                | 1    |                         |
| 5829* | A129037   | SCREW, 1/4 UNC x 1/4         | 1    |                         |
| 5830* | GSF1045LE | PIN                          | 1    |                         |
| 5831* | 454000077 | SPLIT PIN                    | 1    |                         |
| 5844  | MBF1419   | F/PEDAL BLOCK ASSY LH        | 1    |                         |
| 5845  | MBF1420   | F/PEDAL BLOCK ASSY RH        | 1    |                         |
| *     | A219108   | BUSH                         | 1    | FOR ITEMS 5844/5845     |
| 5847* | A219340   | BUSH-EP 12x14x12             | 8    |                         |
| 5846* | 451208    | SPLIT PIN-2 x 14             | 1    |                         |
| 5849* | MBG6057   | CLEVIS PIN                   | 1    |                         |
| 5850* | 451436    | PIN-SPIROL 5 x 26            | 1    | FOR ITEM 5818           |
| 5852  | 450325    | NUT, M10                     | 2    | from serial no CG000323 |
| 5853  | 430377    | NUT, M6 NYLOC                | 1    | from serial no CG000323 |
| 5854  | 450389    | WASHER M6                    | 1    | from serial no CG000323 |
| 5855  | MBE4682   | WASHER                       | 1    | from serial no CG000323 |
| 5856  | 450170    | SCREW M6 X 16, HEX HD        | 1    | from serial no CG000323 |
| 5857  | 002920802 | DISC WASHER                  | 3    | from serial no CG000323 |
| 5858  | 450743    | SCREW M10 X 50, SKT HD       | 1    | from serial no CG000323 |
| 5859  | 450391    | WASHER M10                   | 1    | from serial no CG000323 |
| 5860  | 4180860   | NUT M6 SCROLL SECURE         | 1    | from serial no CG000323 |
| 5861  | 4180861   | SCREW, TX PIN M6 x 20 SECURE | 1    | from serial no CG000323 |
| 5862  | 452100483 | WASHER                       | 1    | from serial no CG000323 |
| 5863  | 4182361   | THROTTLE LINK                | 1    | from serial no CG000323 |
| 5864  | 4181620   | THROTTLE BRACKET             | 1    | from serial no CG000323 |
| 5865  | 4181960   | THROTTLE LEVER               | 1    | from serial no CG000323 |
| 5866  | 038404-02 | GRIP                         | 1    | from serial no CG000323 |

## LOOSE PARTS



| ITEM | PART NO.   | DESCRIPTION               | QTY. | REMARKS             |
|------|------------|---------------------------|------|---------------------|
| 2    | MBC8956A   | SPECIAL BOLT              | 10   |                     |
| 3    | A298383    | SPACER                    | 10   |                     |
| 4    | 450029     | BOLT M10 X 35             | 20   |                     |
| 5    | MBE1276    | ROLLER BRACKET            | 2    |                     |
| 6    | MBE3815B   | ANTI ROLL BRACKET LH      | 1    |                     |
| 7    | MBE3858B   | ANTI ROLL BRACKET RH      | 1    |                     |
| 8    | MBE4554    | SPACER                    | 2    |                     |
| 9    | 450215     | SCREW M10 X 30            | 12   |                     |
| 10   | 450391     | WASHER 10mm               | 12   |                     |
| 11   | 450412     | S.L.WASHER 10MM           | 32   |                     |
| *    | 450379     | STIFFNUT M10              | 10   |                     |
| 12*  | W158061-04 | O RING (3.237 ID)         | 6    | CUTTER MOTOR        |
| 13   | A299405    | BONDED RUBBER BUFFER      | 2    |                     |
| 14   | 450192     | SCREW M8 X 25             | 2    |                     |
| 15   | 450378     | NUT M8                    | 4    |                     |
| 16   | 450411     | S.L.WASHER 8mm            | 2    |                     |
| *    | MBB6448    | HEIGHT OF CUT BAR         | 1    | (8in floating head) |
| *    | MBE3927    | GREASE                    | 1    |                     |
|      | LMAC012    | MAGNA 250 WING UNIT LATCH | 1    | KIT                 |
| 20   | MBE4488    | • LATCH BRACKET LH        | 1    |                     |
| 21   | MBE4491    | • LATCH BRACKET RH        | 1    |                     |
|      | LMAC011    | SPORT 200 WING WING LATCH | 1    | KIT                 |
|      | 4118697    | • LATCH BRACKET LH        | 1    |                     |
|      | 4118698    | • LATCH BRACKET RH        | 1    |                     |
| 22   | MBE4612    | DEFLECTOR                 | 5    |                     |
| 23   | MBG6192    | DEFLECTOR FLAP            | 5    |                     |
| 24   | MBE4613    | DEFLECTOR STRIP           | 5    |                     |
| 25   | 450526     | SCREW M5 X 12             | 55   |                     |
| 26   | 450388     | WASHER 5mm                | 55   |                     |
| 27   | 450322     | NUT M5                    | 55   |                     |
| *    | A829577    | KEY FOR ISO SWITCH        | 1    |                     |
| 28   | MBE4682    | WASHER                    | 20   |                     |
| 29*  | 2203039    | STUD-10MM/8MM             | 10   | CUTTER MOTOR        |
| 30   | A159401    | WSHR-.328 x .75 x 14 GA   | 10   | USED ITEM 23        |
| 31   | 450378     | NUT-HEX M8 NYLOC          | 10   | USED ITEM 23        |
| 32   | MBG6193    | WASHER                    | 10   | USED ITEM 23 TO 22  |

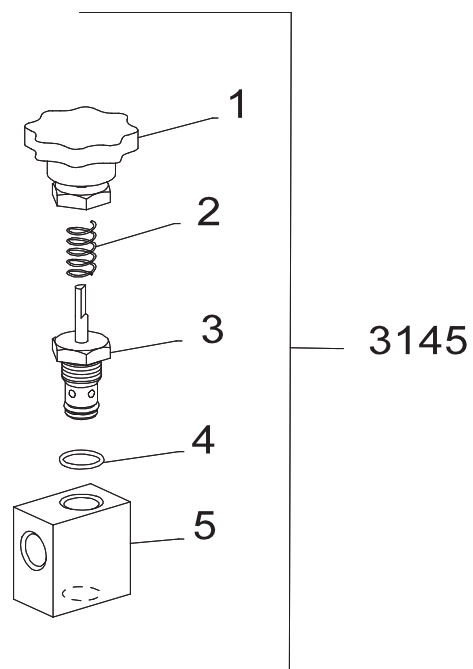




| ITEM | PART NO. | DESCRIPTION              | QTY. | REMARKS             |
|------|----------|--------------------------|------|---------------------|
|      | A800761  | TRANSMISSION PUMP        | 1    | M46 SERVO           |
| A    | A800858  | • CYLINDER BLOCK KIT     | 1    |                     |
| 104  | A800859  | • SPRING                 | 1    | CHARGE RELIEF VALVE |
| 105  | A800860  | • POPPET                 | 1    | CHARGE RELIEF VALVE |
| 118  | A800861  | • NEEDLE BEARING         | 1    |                     |
| 126  | A800862  | • PISTON                 | 7    |                     |
| 127  | A800863  | • SLIPPER RETAINER       | 1    |                     |
| 131  | A800864  | • SHAFT BEARING          | 1    |                     |
| 132  | A800865  | • CIRCLIP                | 2    |                     |
| 133  | A800866  | • CIRCLIP                | 2    |                     |
| 155  | A800867  | • CHARGE PUMP HOUSING    | 1    |                     |
| 160  | A800868  | • CYLINDER BLOCK         | 1    |                     |
| 201  | A800869  | • SWASHPLATE             | 1    |                     |
| 202  | A800870  | • SWASHPLATE BEARING     | 2    |                     |
| 302  | 4168549  | • O RING                 | AR   |                     |
| 303  | 4168546  | • O RING                 | AR   |                     |
| 401  | A800871  | • DRIVE SHAFT            | 1    |                     |
| 501  | A800872  | • VALVE PLATE            | 1    |                     |
| 930  | A800873  | • ADJUSTER SCREW         | 1    |                     |
| 1001 | A800874  | • BY-PASS VALVE          | 1    |                     |
| 1103 | A828929  | • RELIEF VALVE CARTRIDGE | 1    | 230 BAR             |
| 1104 | A828928  | • RELIEF VALVE CARTRIDGE | 1    | 345 BAR             |
| 1207 | A800876  | • ROTARY SPOOL           | 1    |                     |
| 1208 | 4168548  | • BACK UP RING           | AR   |                     |
| 1209 | 4168545  | • BACK UP RING           | AR   |                     |
| 1210 | A800877  | • ADJUSTER SCREW         | 1    |                     |
| 1213 | A800878  | • LOCKNUT                | 1    |                     |
| 1214 | A800879  | • RETURN SPRING          | 1    |                     |
| 1215 | A800880  | • CONTROL LEVER          | 1    |                     |
| 1216 | A800881  | • CAM PLATE              | 1    |                     |
| 1235 | A800882  | • LOCKWASHER             | 1    |                     |
| 1401 | A800883  | • ORIFICE                | 1    |                     |
| 1402 | A800884  | • SLEEVE                 | 1    |                     |
| 1403 | A800885  | • ORIFICE                | 1    |                     |
| 1404 | A800885  | • ORIFICE                | 1    |                     |
| *    | A800886  | • SEAL KIT               | 1    |                     |

VALVE - BACK PRESSURE

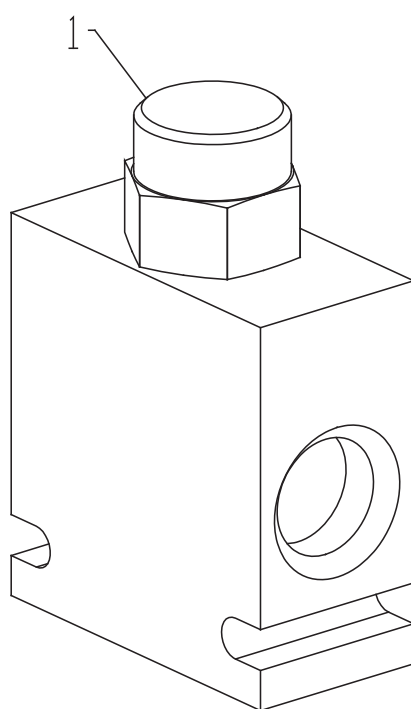
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| ITEM | PART NO.  | DESCRIPTION           | QTY. | REMARKS     |
|------|-----------|-----------------------|------|-------------|
| 3145 | 2208046   | VALVE - BACK PRESSURE | 1    | ITEMS 1 - 3 |
|      | 4130690   | CARTRIDGE KIT         | 1    |             |
| 1    |           | KNOB                  | 1    |             |
| 2    | 2208085   | SPRING-SS COMPRESSION | 1    |             |
| 3    |           | CARTRIDGE             | 1    |             |
| 4    |           | O RING SEAL           | 1    |             |
| 5    | N/A       | PORTED BODY           | 1    |             |
| *    | 178102-37 | SEAL KIT              | 1    |             |

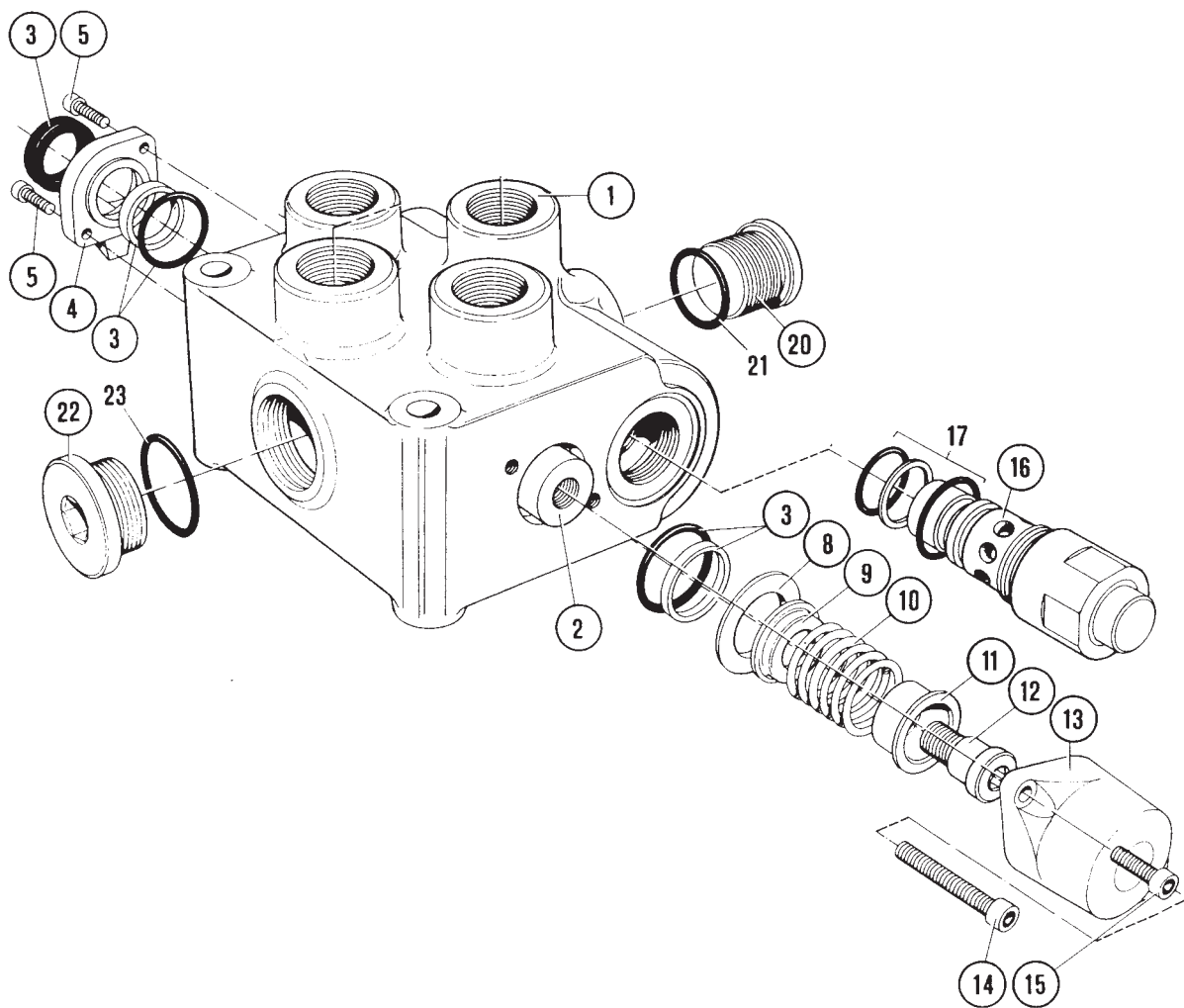
PRESSURE COMPENSATOR VALVE

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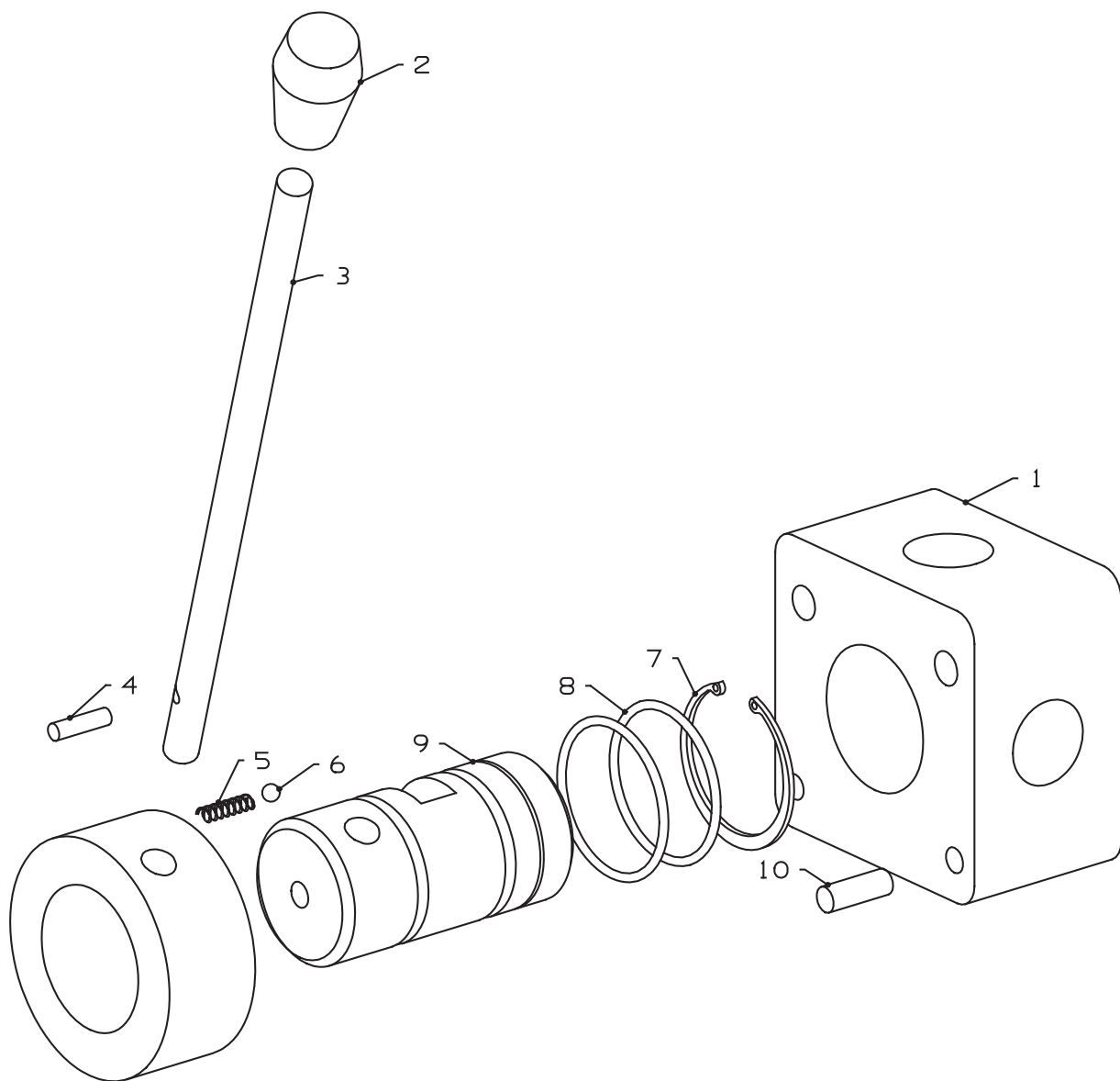


| ITEM | PART NO. | DESCRIPTION          | QTY. | REMARKS |
|------|----------|----------------------|------|---------|
| 1    | A801126  | PRESSURE COMP. VALVE | 1    |         |
| *    | A230093  | SEAL KIT             | 1    |         |

CUTTING MOTOR VALVE



| ITEM | PART NO. | DESCRIPTION             | QTY. | REMARKS                 |
|------|----------|-------------------------|------|-------------------------|
| *    | A801252  | CUTTING MOTOR VALVE     | 1    | FORWARD-NEUTRAL-REVERSE |
|      | A230119  | SEAL KIT                | 1    | ITEMS(3,17,21,23)       |
|      | 4186220  | CUTTING MOTOR VALVE     | 1    | FROM SERIAL NO          |
|      | A230119  | SEAL KIT                | 1    | ITEMS(3,17,21,23)       |
| 1    | N/A      | BODY                    | 1    |                         |
| 2    | N/A      | SPOOL                   | 1    |                         |
| 3    |          | O RING & BACK UP WASHER | 2    | PART OF A230119         |
| 4    |          | HOUSING                 | 1    |                         |
| 5    |          | SCREW                   | 2    |                         |
| 8    |          | WASHER                  | 1    |                         |
| 9    |          | BUSH                    | 1    |                         |
| 10   |          | SPRING                  | 1    |                         |
| 11   |          | BUSH                    | 1    |                         |
| 12   |          | SCREW                   | 1    |                         |
| 13   |          | HOUSING                 | 1    |                         |
| 14   |          | SCREW                   | 1    |                         |
| 15   |          | SCREW                   | 1    |                         |
| 16   |          | VALVE                   | 1    |                         |
| 17   |          | VALVE SEALS             | 1    | PART OF A230119         |
| 20   |          | PLUG                    | 1    |                         |
| 21   |          | O RING                  | 1    | PART OF A230119         |
| 22   |          | PLUG                    | 1    |                         |
| 23   |          | O RING                  | 1    | PART OF A230119         |

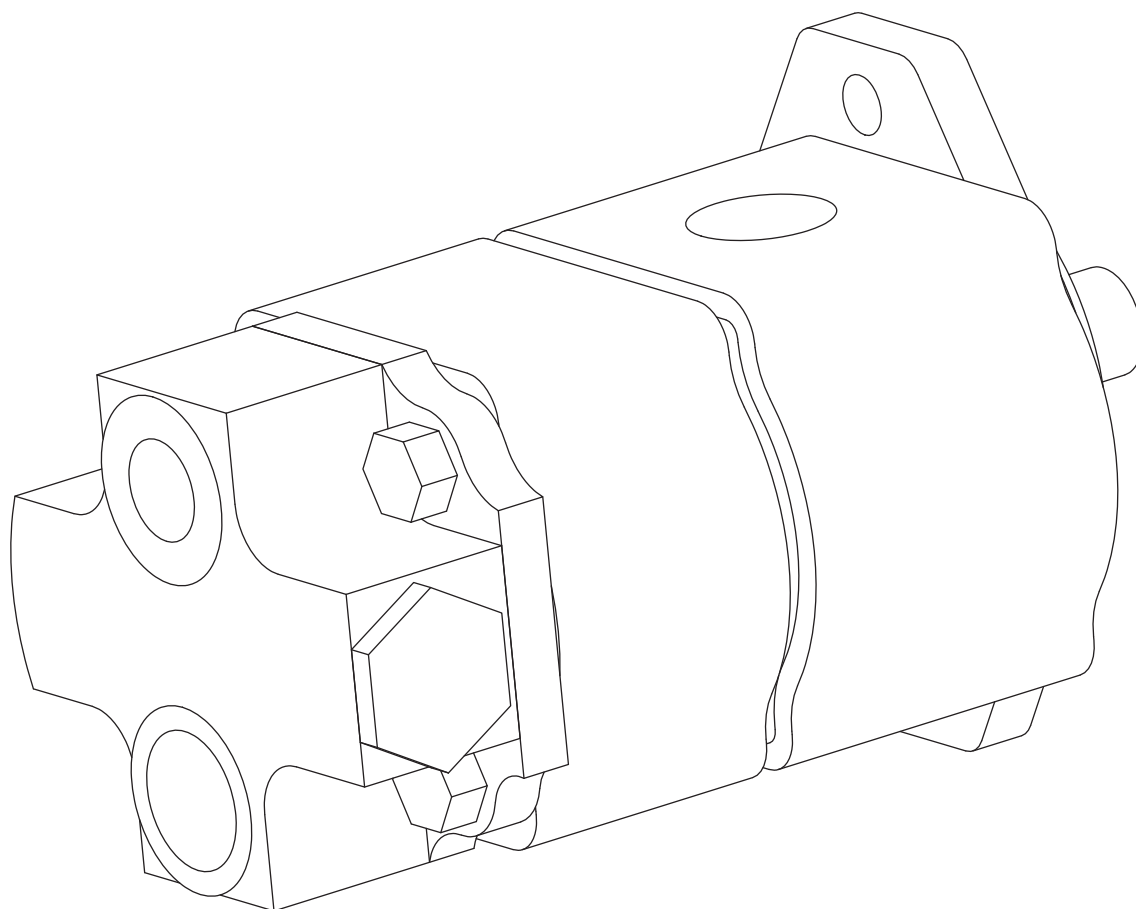




| ITEM | PART NO.  | DESCRIPTION     | QTY. | REMARKS |
|------|-----------|-----------------|------|---------|
| 1    | A802834   | HYDRAULIC VALVE | 1    |         |
| 2    | N/A       | BODY            | 1    |         |
| 3    |           | KNOB            | 1    |         |
| 4    |           | LEVER           | 1    |         |
| 5    |           | TENSION PIN     | 1    |         |
| 6    |           | SPRING          | 1    |         |
| 7    |           | BALL            | 1    |         |
| 8    | A171025   | CIRCLIP         | 1    |         |
| 9    | GSF3599BN | O RING          | 2    |         |
| 10   | N/A       | SPOOL           | 1    |         |
|      |           | TENSION PIN     | 2    |         |

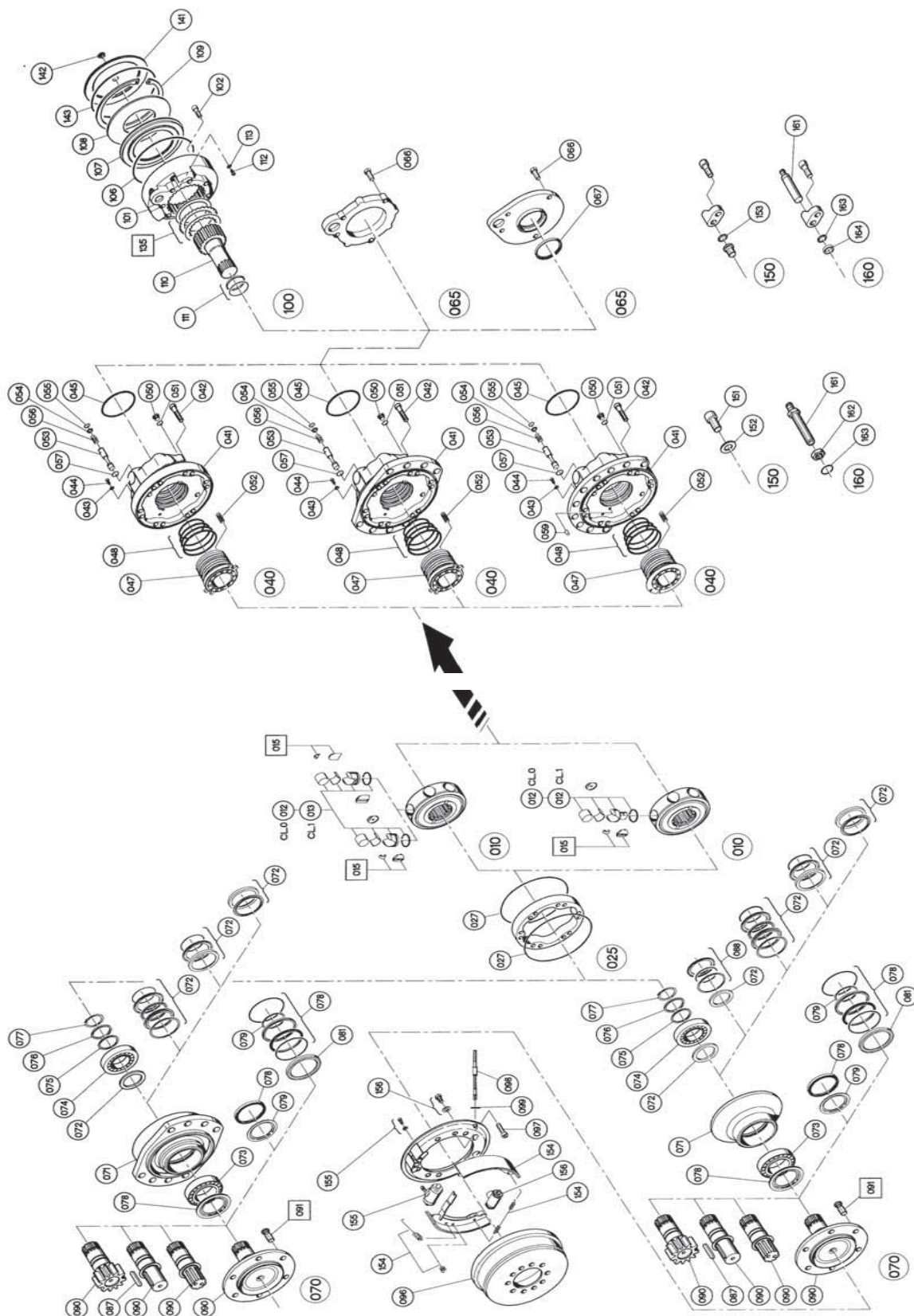
TANDEM PUMP

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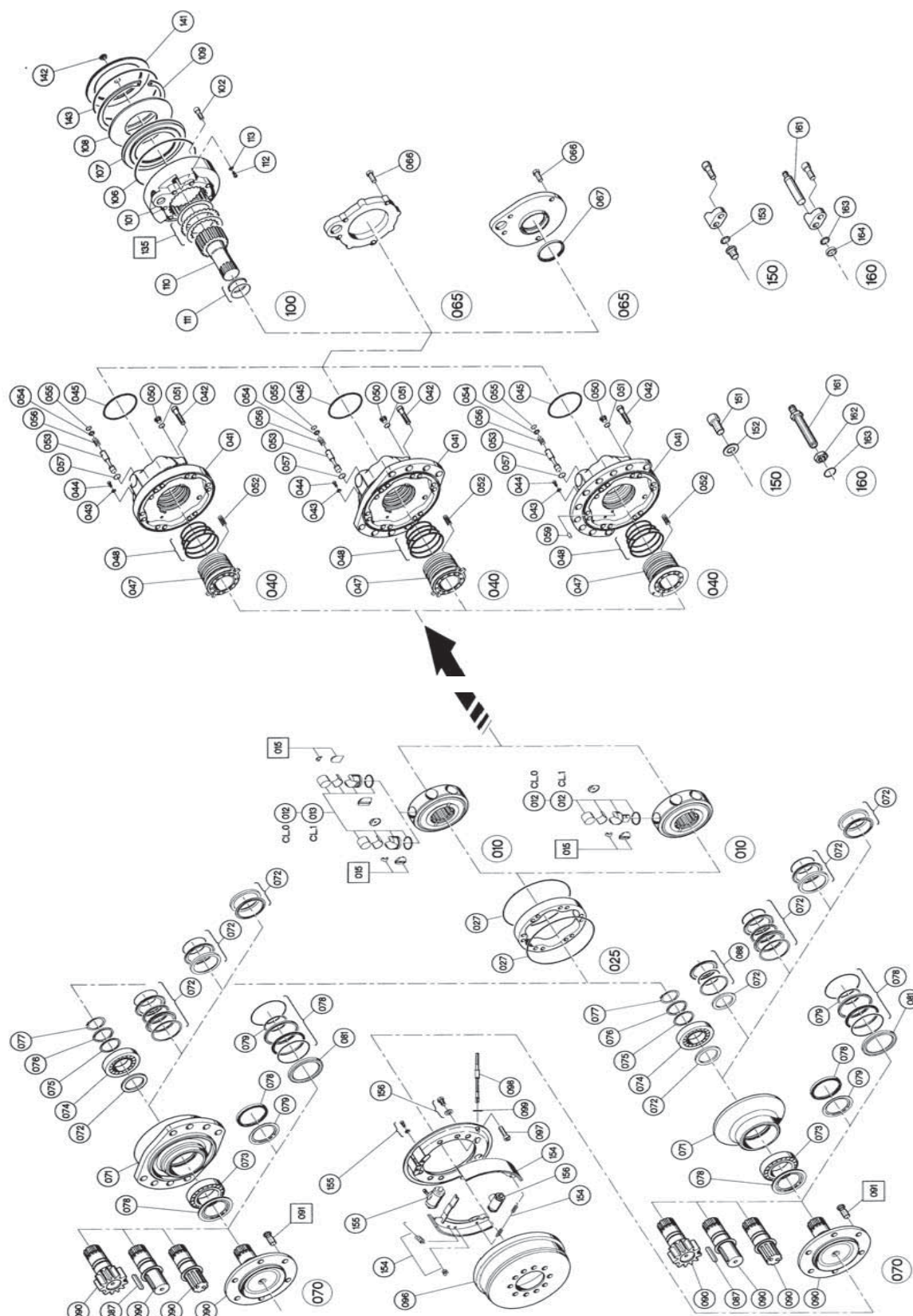
| ITEM   | PART NO. | DESCRIPTION                | QTY.   | REMARKS |
|--------|----------|----------------------------|--------|---------|
| A<br>* | 4165856  | HYDRAULIC PUMP<br>SEAL KIT | 1<br>1 |         |

WHEEL MOTOR FRONT (to Serial No GC000xxx)

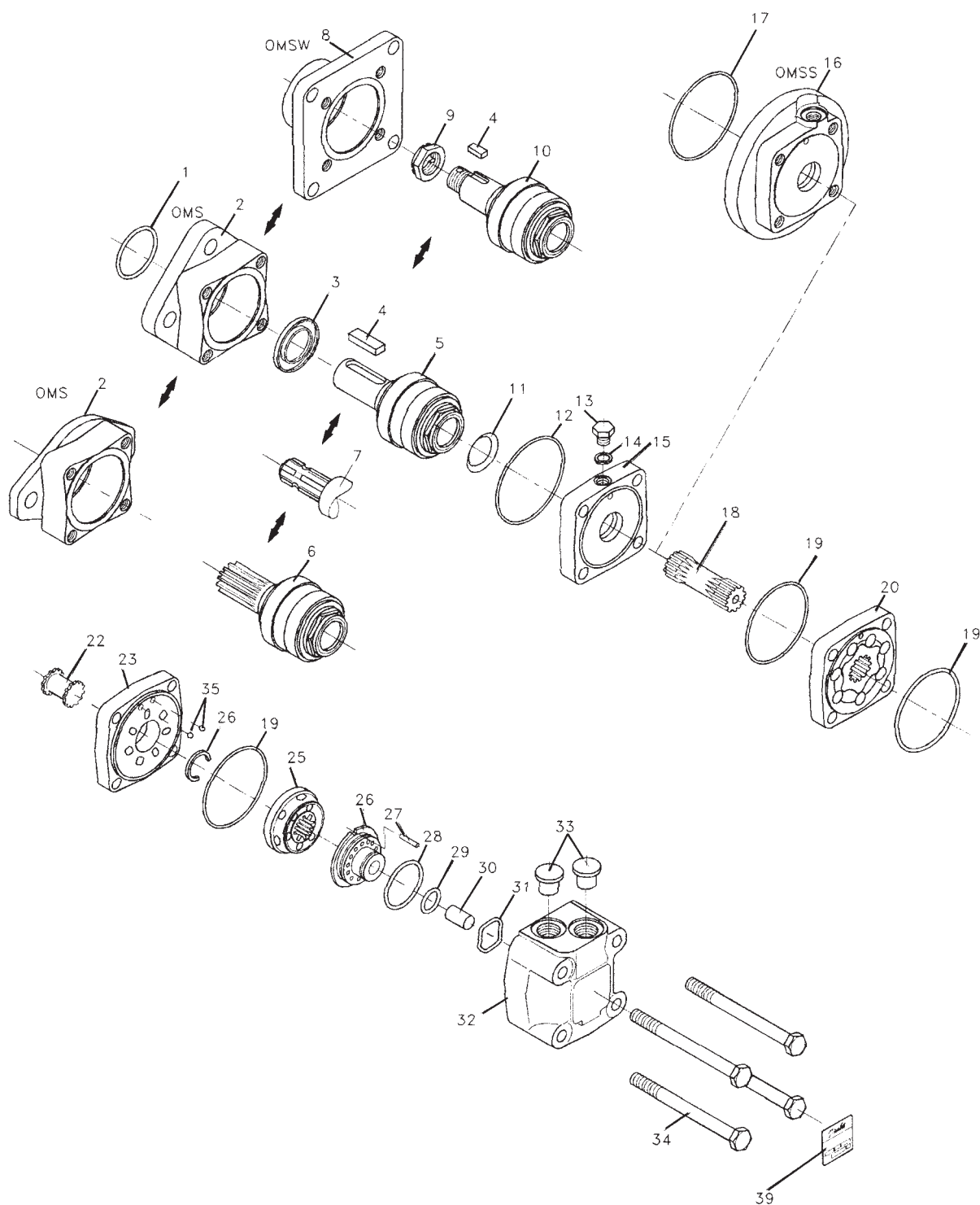


| ITEM | PART NO.  | DESCRIPTION            | QTY. | REMARKS         |
|------|-----------|------------------------|------|-----------------|
| 001  | 008007240 | Wheel Motor            | 2    | to S/N GC000xxx |
| 002  | A808966   | Seal kit               | 1    |                 |
|      | A808967   | Seal kit               | 1    |                 |
| 010  | A808968   | Cylinder-block Assy.   | 1    | New Item        |
| 012  | 4131089   | •Piston sub-assy.CI.0  |      |                 |
| 013  | 4131090   | •Piston sub-assy.CI.10 |      |                 |
| 015  | A808969   | Repair kit.            | 1    | New Item        |
| 025  | A808970   | Cam Assy.              | 1    |                 |
| 027  | N/A       | •O-ring.               |      |                 |
| 040  | A808971   | Valving cover assy.    | 1    |                 |
| 041  | N/A       | •Valving cover part.   |      |                 |
| 042  | N/A       | •Screw.                |      |                 |
| 043  | N/A       | •Seal washer.          |      |                 |
| 044  | N/A       | •Screw.                |      |                 |
| 045  | N/A       | •O-ring.               |      |                 |
| 047  | N/A       | •Valving.              |      |                 |
| 048  | N/A       | •Seal kit.             |      |                 |
| 050  | N/A       | •Plug.                 |      |                 |
| 051  | N/A       | •O-ring.               |      |                 |
| 052  | N/A       | •Spring.               |      |                 |
| 053  | N/A       | •Valve spool.          |      |                 |
| 054  | N/A       | •Washer.               |      |                 |
| 055  | N/A       | •Snap ring.            |      |                 |
| 056  | N/A       | •Spring.               |      |                 |
| 057  | N/A       | •O-ring.               |      |                 |
| 059  | N/A       | •Pin.                  |      |                 |
| 065  | A808972   | Cover plate.           | 1    |                 |
| 066  | N/A       | •Screw.                |      |                 |
| 067  | N/A       | •Sealing ring.         |      |                 |
| 070  | A808973   | Bearing support assy.  | 1    |                 |
| 071  | N/A       | •Bearing support.      |      |                 |
| 072  | N/A       | •Radial lip seal.      |      |                 |
| 074  | N/A       | •Roller bearing.       |      |                 |
| 075  | N/A       | •Set of shims.         |      |                 |
| 076  | N/A       | •Thrust ring.          |      |                 |
| 077  | N/A       | •Snap ring             |      |                 |
| 078  | N/A       | •Lip Seal              |      |                 |
| 079  | N/A       | •Deflector             |      |                 |

WHEEL MOTOR FRONT



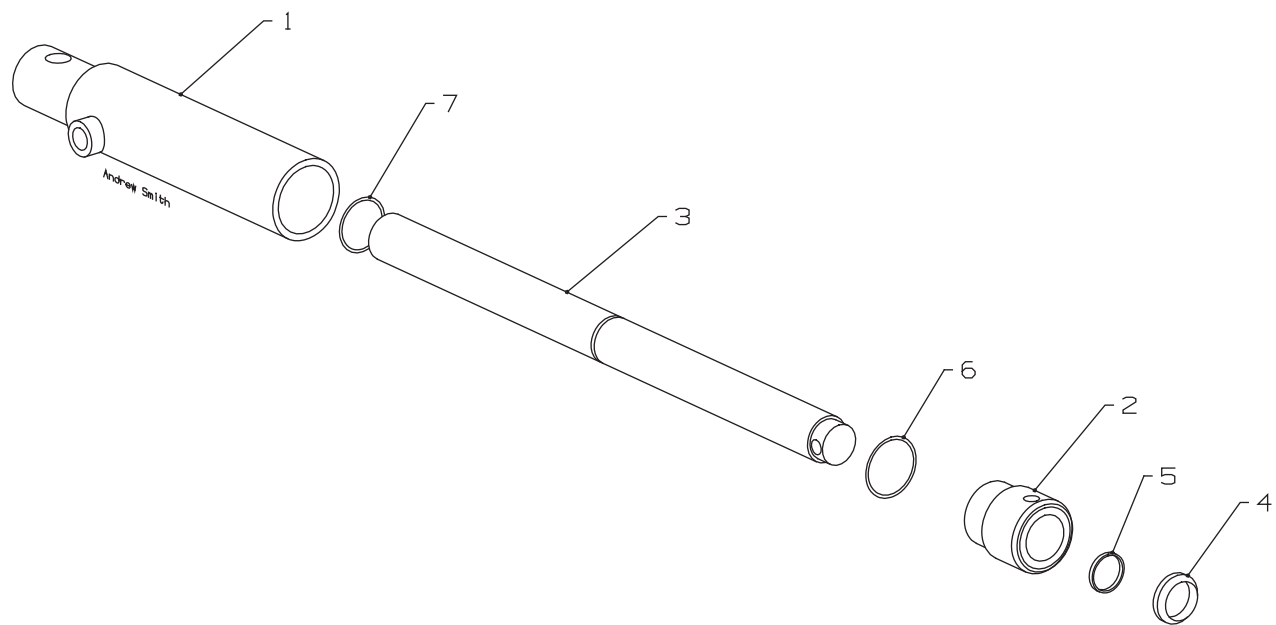
| ITEM | PART NO. | DESCRIPTION    | QTY. | REMARKS |
|------|----------|----------------|------|---------|
| 081  | N/A      | •Seal support  |      |         |
| 087  | N/A      | •Key           |      |         |
| 090  | N/A      | •Shaft         |      |         |
| 096  | N/A      | •Drum Brake.   |      |         |
| 097  | N/A      | •Screw.        |      |         |
| 098  | N/A      | •Brake cable.  |      |         |
| 099  | N/A      | •Snap ring.    |      |         |
| 091  | A808975  | Set of studs.  | 1    |         |
| 100  | A808974  | Brake assy.    | 1    |         |
| 101  | N/A      | Brake body.    |      |         |
| 102  | N/A      | Screw.         |      |         |
| 106  | N/A      | O-ring.        |      |         |
| 107  | N/A      | Brake piston.  |      |         |
| 108  | N/A      | Spring washer. |      |         |
| 109  | N/A      | Snap ring.     |      |         |
| 110  | N/A      | Brake shaft.   |      |         |
| 111  | N/A      | Seal.          |      |         |
| 112  | N/A      | Screw.         |      |         |
| 113  | N/A      | Sealing ring.  |      |         |
| 141  | N/A      | Protector.     |      |         |
| 142  | N/A      | Plug.          |      |         |
| 143  | N/A      | O-ring.        |      |         |
| 135  | A808976  | Brake kit.     |      |         |





| ITEM | PART NO. | DESCRIPTION            | QTY. | REMARKS                    |
|------|----------|------------------------|------|----------------------------|
|      | A8007600 | WHEEL MOTOR            | 1    |                            |
| 1    | N/A      | DUST SEAL              | 1    |                            |
| 2    | N/A      | BEARING HOUSING        | 1    |                            |
| 3    | N/A      | SHAFT SEAL             | 1    |                            |
| 4    | A800781  | PARALLEL KEY 5/16x5/16 | 1    |                            |
| 9    | A800782  | CASTELLATED NUT        | 1    |                            |
| 11   | N/A      | SEAL RING              | 1    |                            |
| 12   | N/A      | O RING                 | 1    |                            |
| 13   |          | PLUG                   | 1    |                            |
| 14   |          | WASHER                 | 1    |                            |
| 15   |          | INTERMEDIATE PLATE     | 1    |                            |
| 18   |          | CARDAN SHAFT           | 1    |                            |
| 19   | N/A      | O RING                 | 3    |                            |
| 20   |          | GEARWHEEL SET          | 1    |                            |
| 22   |          | VALVE DRIVE            | 1    |                            |
| 23   |          | CHANNEL PLATE          | 1    |                            |
| 25   |          | DISC VALVE             | 1    |                            |
| 26   |          | BALANCE PLATE          | 1    |                            |
| 27   |          | GUIDE PIN              | 1    |                            |
| 28   | N/A      | O RING                 | 1    |                            |
| 29   | N/A      | O RING                 | 2    |                            |
| 30   |          | SPACER                 | 1    |                            |
| 31   |          | SPRING WASHER          | 1    |                            |
| 32   | N/A      | VALVE HOUSING          | 1    |                            |
| 34   |          | BOILT                  | 4    |                            |
| A    | A230062  | SET OF SEALS NBR       | 1    | ITEM 1,3,11,12,19,28 & 29. |

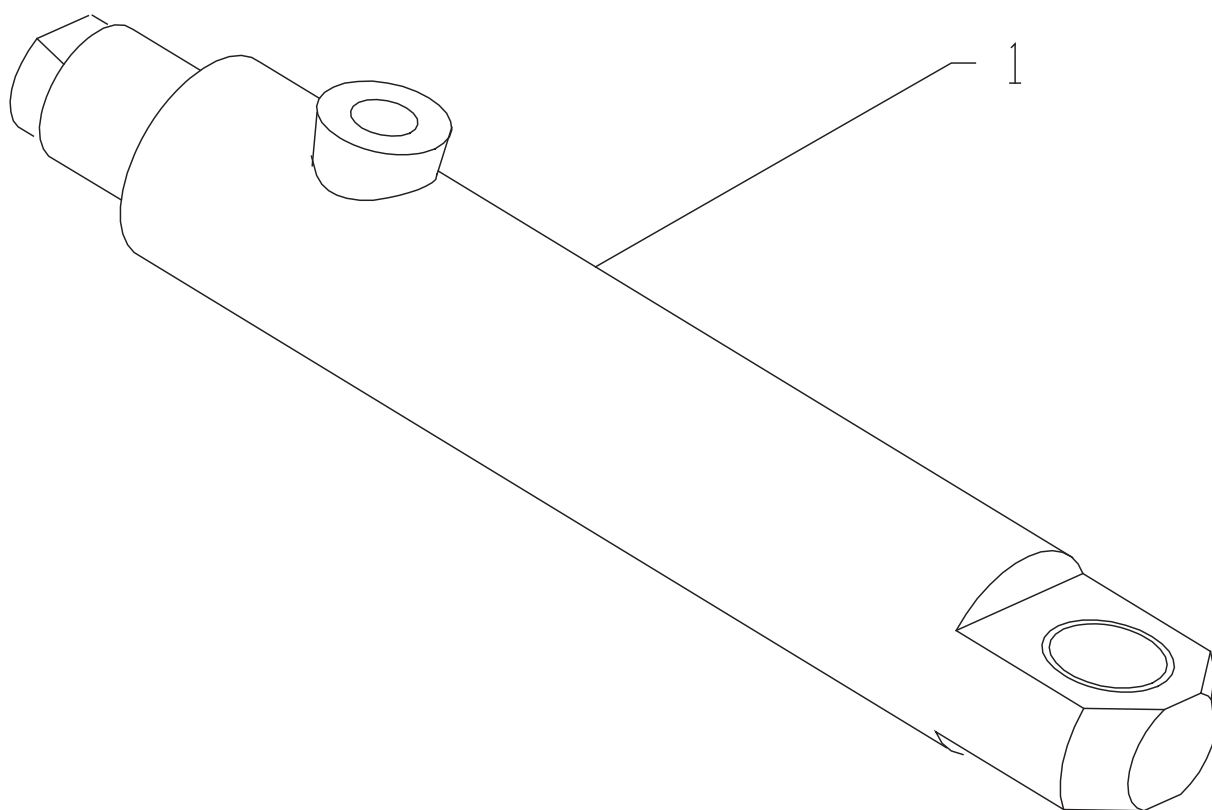
UNIT LIFT RAM



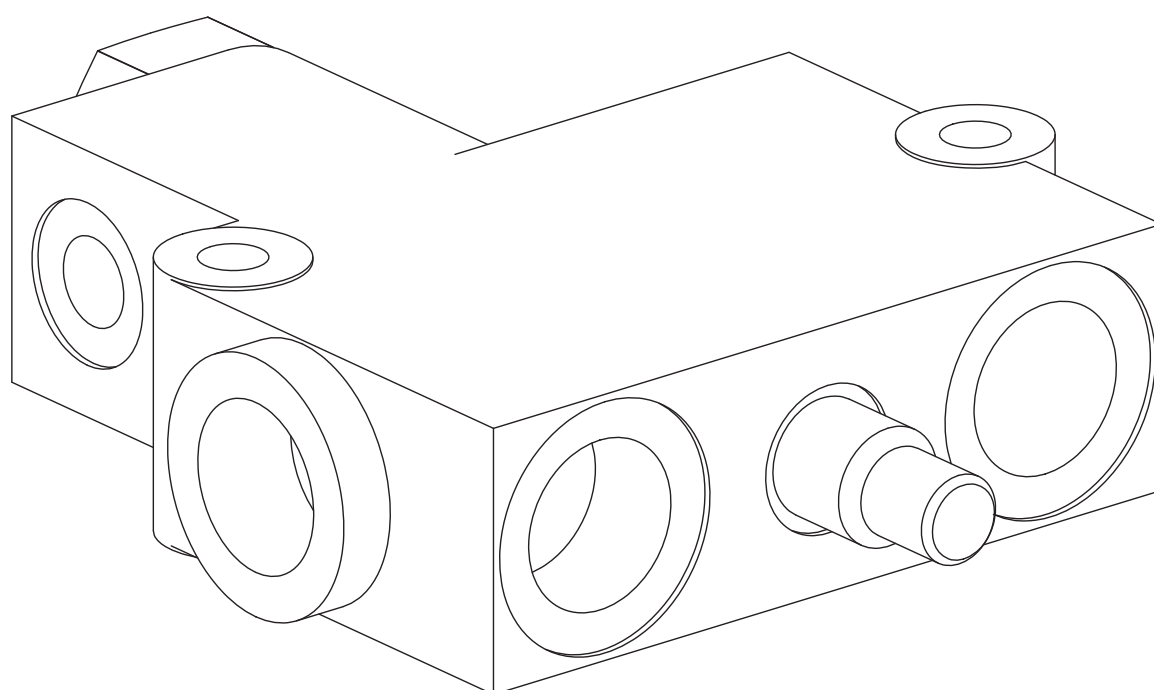
| ITEM | PART NO.  | DESCRIPTION                     | QTY. | REMARKS |
|------|-----------|---------------------------------|------|---------|
|      | A902734   | HYDRAULIC RAM<br>FRONT & CENTRE | 3    |         |
|      | A902811   | HYDRAULIC RAM,. WING            | 2    |         |
| 1    | N/A       | • CYLINDER                      | 1    |         |
| 2    | N/A       | • GLAND                         | 1    |         |
| 3    | N/A       | • PISTON ROD                    | 1    |         |
|      | A230043   | • SEAL KIT                      | 1    |         |
| 4    | A224903   | •• WIPER SEAL                   | 1    |         |
| 5    | A229949   | •• S.A.SEAL                     | 1    |         |
| 6    | A221218   | •• O RING                       | 1    |         |
| 7    | GSF1058BB | • SNAP RING                     | 1    |         |

STEERING RAM

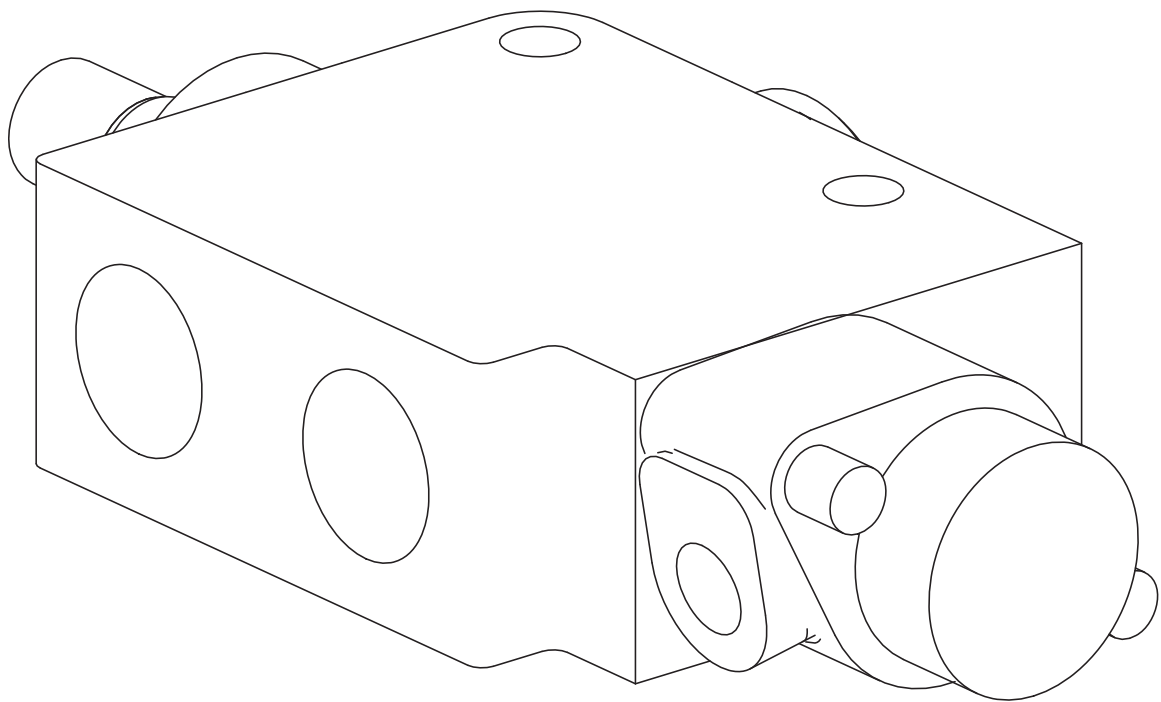
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| ITEM | PART NO.  | DESCRIPTION  | QTY. | REMARKS |
|------|-----------|--------------|------|---------|
| 1    | A902807   | STEERING RAM | 2    | PIVOT   |
| *    | A230042   | SEAL KIT     | 1    |         |
| *    | 002143930 | BUSH         | 1    |         |



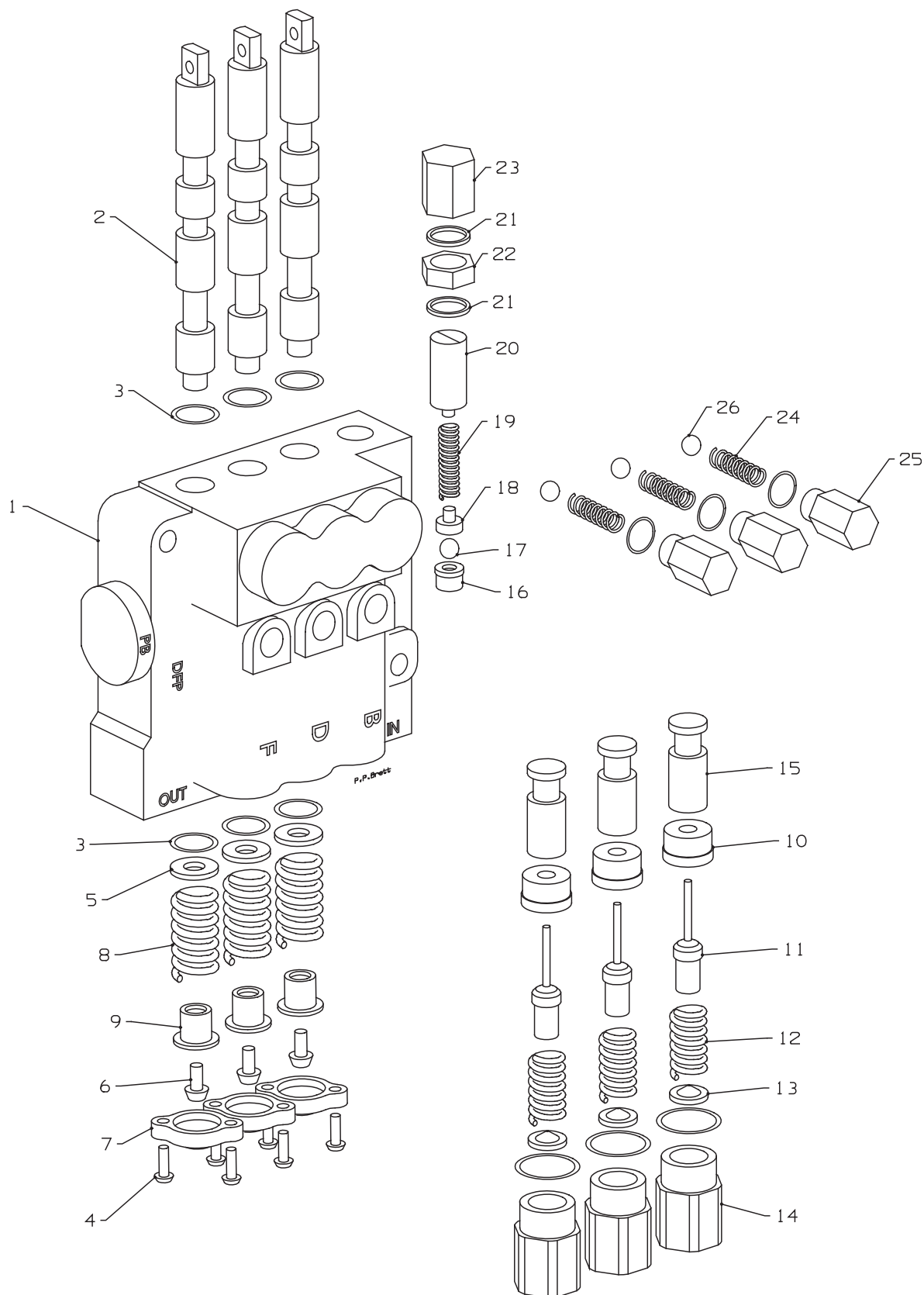
| ITEM | PART NO. | DESCRIPTION           | QTY. | REMARKS |
|------|----------|-----------------------|------|---------|
| A    | 4155522  | DIVERTOR VALVE 4 PORT | 1    |         |
| *    | A230123  | SEAL KIT              | 1    |         |





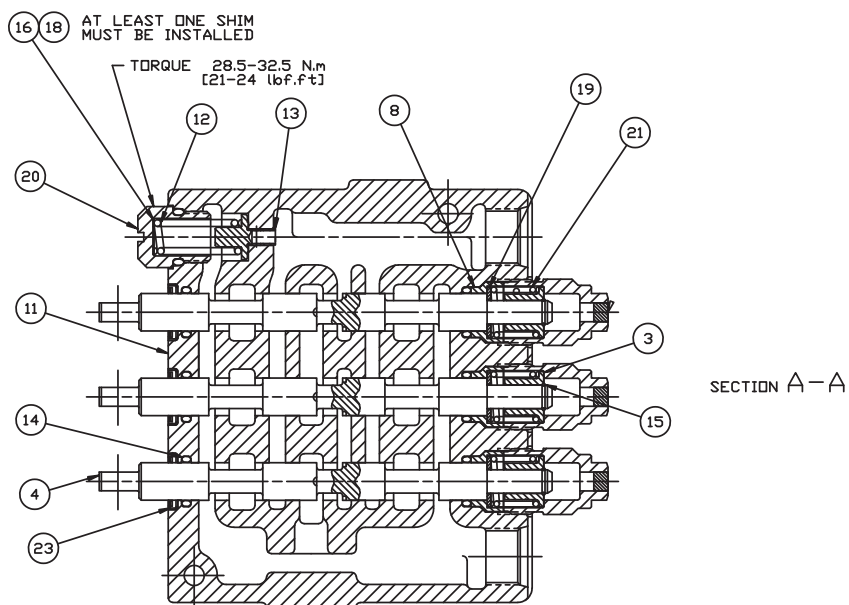
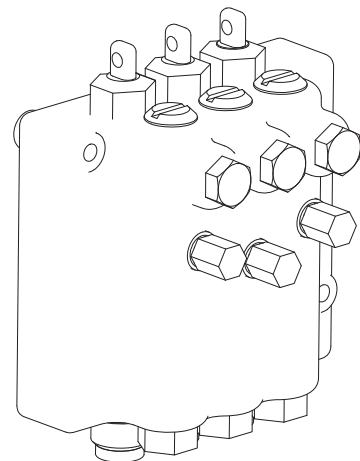
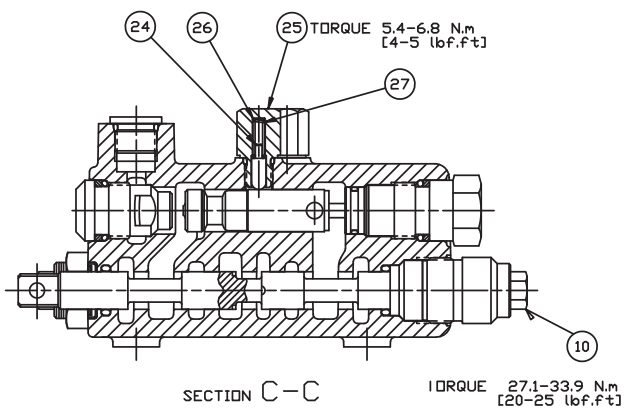
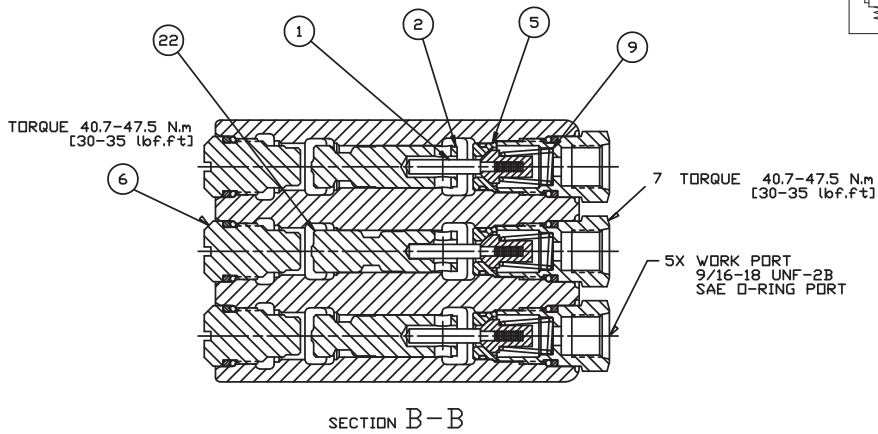
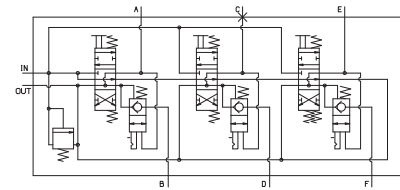
| ITEM | PART NO. | DESCRIPTION     | QTY. | REMARKS |
|------|----------|-----------------|------|---------|
| A    | A801250  | DIVERTOR 3 PORT | 1    |         |
| *    | A230123  | SEAL KIT        | 1    |         |

LIFT CONTROL VALVE ASSEMBLY - Danfoss/Dukes fluid power



| ITEM | PART NO.  | DESCRIPTION            | QTY. | REMARKS                      |
|------|-----------|------------------------|------|------------------------------|
|      | 008010360 | Lift Valve Assy.       | 1    |                              |
| 1    | N/A       | Body                   | 1    |                              |
| 2    | N/A       | Spool                  | 3    |                              |
| 3    |           | O Ring                 | 6    | included in seal kit A230033 |
| 4    |           | Screw with Lock Washer | 6    |                              |
| 5    |           | Washer                 | 3    |                              |
| 6    |           | Screw                  | 3    |                              |
| 7    |           | End Cap                | 3    |                              |
| 8    |           | Spring, return         | 3    |                              |
| 9    |           | Spacer                 | 3    |                              |
| 10   | A808922   | Seat, pilot chk.       | 3    |                              |
|      | A802086   | Pilot chk. valve assy  | 3    |                              |
| 11   | A801073   | • Poppet               | 1    |                              |
| 12   | A808921   | • Spring, pilot chk.   | 1    |                              |
| 13   | A808928   | • Poppet Stop          | 1    |                              |
| 14   | A808920   | • Port Adaptor         | 1    |                              |
| 15   | A808929   | Plunger, SA detent     | 3    |                              |
|      | A801097   | Relief valve Cartridge | 1    | 210 bar ( Items 16 to 23 )   |
| 16   | A801074   | • Valve Seat           | 1    |                              |
| 17   | A801075   | • Ball, steel          | 1    |                              |
| 18   | A801076   | • Ball Retainer        | 1    |                              |
| 19   | A801077   | • Spring, relief       | 1    |                              |
| 20   | N/A       | • Screw, adjustment    | 1    |                              |
| 21   |           | • Gasket               | 2    | included in seal kit A230033 |
| 22   | N/A       | • Jam Nut              | 1    |                              |
| 23   | N/A       | • Relief Cap           | 1    |                              |
| 24   |           | Spring, detent         | 3    |                              |
| 25   |           | Detent Plug            | 3    |                              |
| 26   |           | Ball, steel            | 3    |                              |

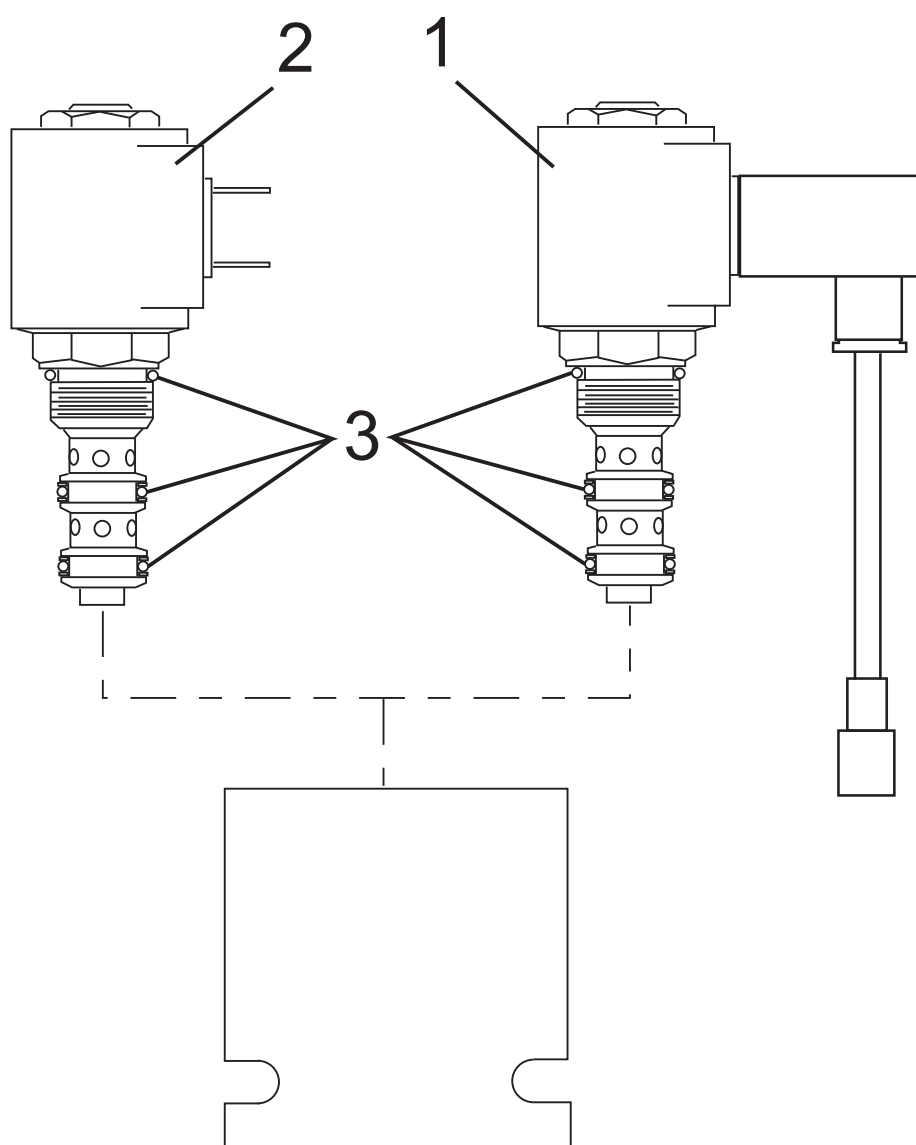
## LIFT CONTROL VALVE ASSEMBLY - Eaton



| ITEM | PART NO. | DESCRIPTION       | QTY. | REMARKS |
|------|----------|-------------------|------|---------|
| 1    | 4186260  | Lift Valve Assy.  | 1    |         |
| 2    |          | • Poppet Assembly | 3    |         |
| 3    |          | • Plunger         | 2    |         |
| 4    |          | • Spacer          | 3    |         |
| 5    |          | • Spool           | 3    |         |
| 6    |          | • Seat Assembly   | 3    |         |
| 7    |          | • Plug Assembly   | 3    |         |
| 8    |          | • Plug Assembly   | 3    |         |
| 9    |          | • Bushing         | 3    |         |
| 10   |          | • Spring          | 3    |         |
| 11   |          | • Cap Assembly    | 3    |         |
| 12   |          | • Body            | 1    |         |
| 13   |          | • Spring          | 1    |         |
| 14   |          | • Poppet          | 1    |         |
| 15   |          | • O Ring          | 6    |         |
| 16   |          | • Retaining Ring  | 3    |         |
| 17   |          | • Washer          | AR   |         |
| 18   |          | • Washer          | AR   |         |
| 19   |          | • Washer          | 3    |         |
| 20   |          | • Plug Assembly   | 1    |         |
| 21   |          | • Spring          | 3    |         |
| 22   |          | • Plunger         | 1    |         |
| 23   |          | • Wiper Seal      | 3    |         |
| 24   |          | • Detent Plunger  | 3    |         |
| 25   |          | • Plug Assembly   | 3    |         |
| 26   |          | • Disc            | AR   |         |
| 27   |          | • Spring          | 3    |         |
|      | 4172763  | Seal Kit          | AR   |         |

SOLENOID VALVE

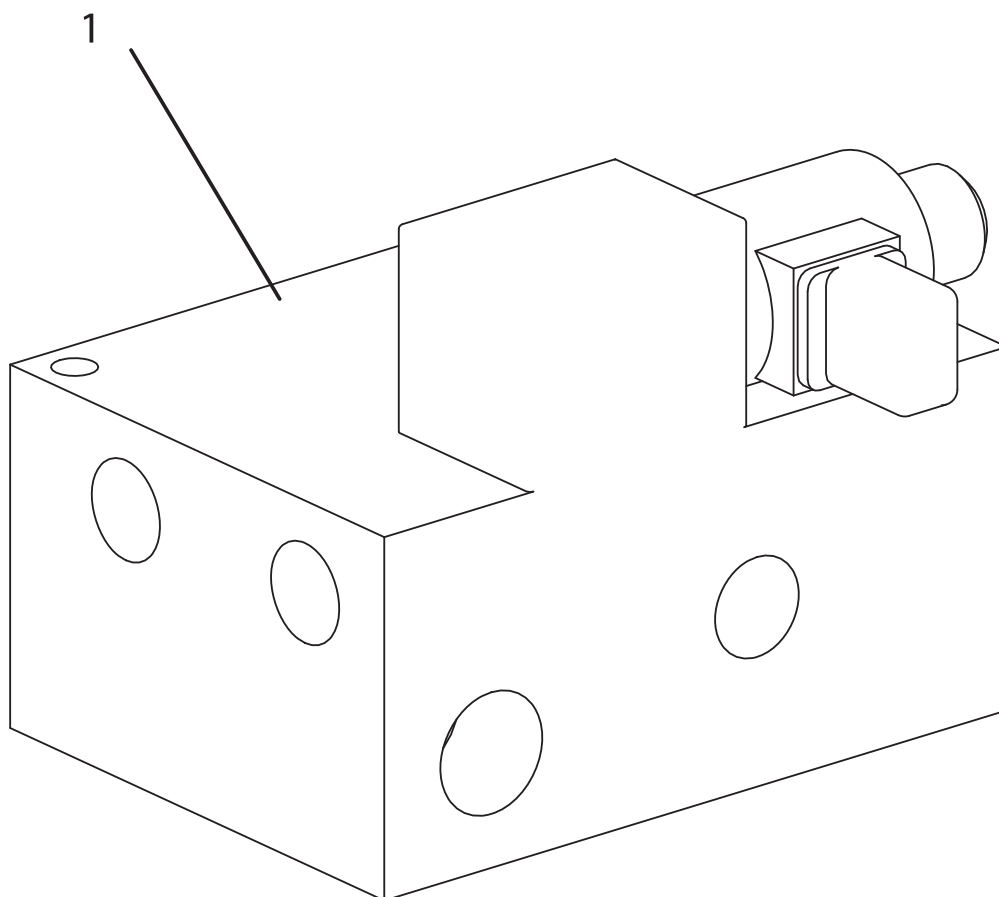
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| ITEM | PART NO. | DESCRIPTION    | QTY. | REMARKS                        |
|------|----------|----------------|------|--------------------------------|
| 1    | A801112  | Solenoid Valve | 1    |                                |
| 1    | 4144046  | Solenoid Coil  | 1    | with 2 pin sealed connector    |
| 2    | A801156  | Solenoid Coil  | 1    | without 2 pin sealed connector |
| 3    | A801157  | Seal Kit       | 1    |                                |

TRANSMISSION VALVE

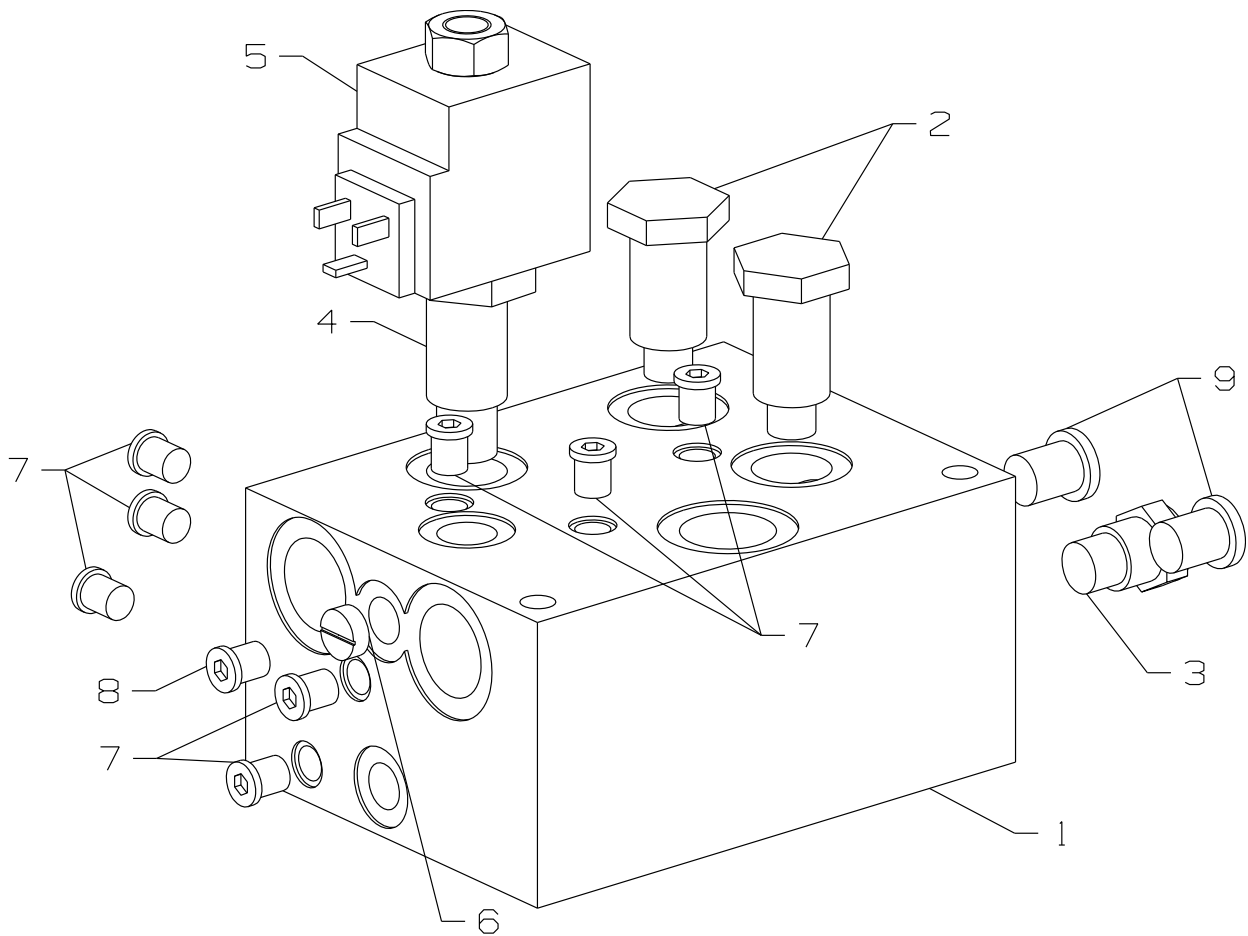
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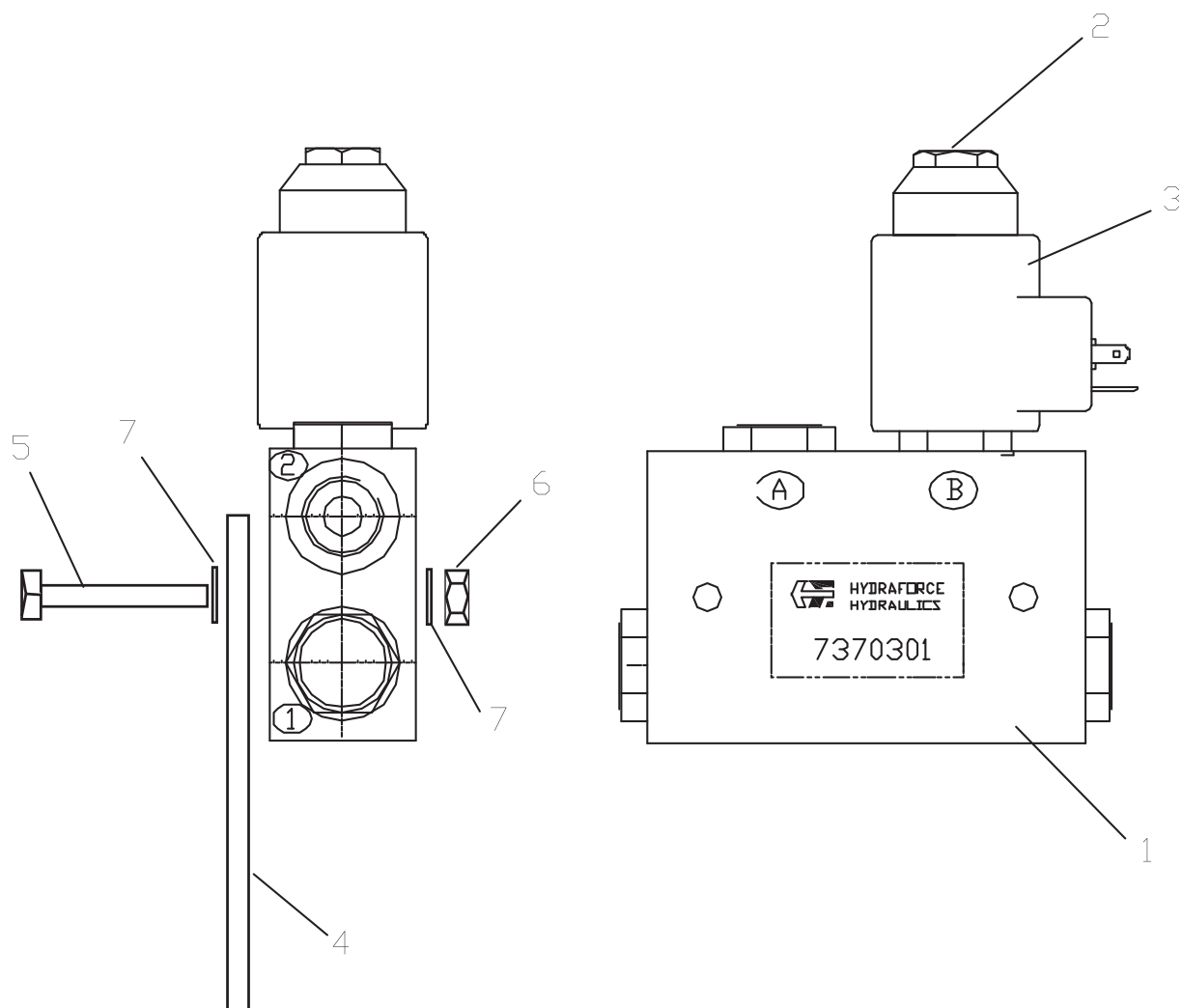
| ITEM | PART NO.  | DESCRIPTION                  | QTY. | REMARKS                       |
|------|-----------|------------------------------|------|-------------------------------|
| 1    | A801248   | Transmission Valve           | 1    | Savery                        |
| *    | A230130   | • Seal kit                   | 1    | 6400-0101 cont. 4122019/21/22 |
| *    | A902963   | • Blanking Plug              | 2    | SAE 6 SOCKET HEAD             |
| *    | 002218065 | •• O Ring                    | 1    |                               |
| *    | A902964   | • Oriface Plug (Drilled 1.8) | 1    | 1/8 NPT - 7/8 Taper           |
| *    | A902965   | • Cetop 3 Solonoid Valve     | 1    | HFA-2B                        |
| *    | 4122022   | •• Seal Kit                  | 1    | SK03-N                        |
| *    | 4122596   | • Piloted Directional Valve  | 1    | R04B4-10-N                    |
| *    | 4122019   | •• Seal Kit                  | 1    | SK30506N-1                    |
| *    | 008089940 | • Check Valve                | 2    | CV10-20-0-N-2                 |
| *    | 4122021   | •• Seal Kit                  | 1    | SK10-2N-T                     |
| *    | 4240082   | Valve                        | 1    | SV10-20W-0-N-00               |
| *    | 4240083   | Coil                         | 1    | 12V DC 6356012 DIN 43650      |
| *    | 4240084   | Hirsh Plug                   | 1    | C 18209G21                    |

TRANSMISSION VALVE (PARKER)

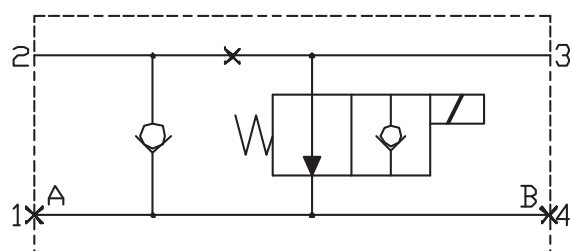


| ITEM | PART NO.  | DESCRIPTION                       | QTY. | REMARKS                  |
|------|-----------|-----------------------------------|------|--------------------------|
|      | 4121647   | Transmission Valve                | 1    |                          |
| 1    | N/A       | • Manifold                        | 1    |                          |
| 2    | 4121529   | • Cartridge, Check Valve          | 2    | 10C1-5                   |
| *    |           | •• Seal Kit                       | 1    | Part of seal Kit 4121528 |
| 3    | 4121530   | • Cartridge, NC Pilot Directional | 1    | 10CPD1D-75               |
| *    |           | •• Seal Kit                       | 1    | Part of seal Kit 4121528 |
| 4    | 4121531   | • Valve Stem                      | 1    | 10SD48                   |
| *    |           | •• Seal Kit                       | 1    | Part of seal Kit 4121528 |
| 5    | 4121538   | • Solenoid                        | 1    | D12H20                   |
| 6    | 4121541   | • Orifice Plug                    | 1    | 11441-.070               |
| 7    | 4118315   | • Plug, NWD-2                     | 8    | 12961                    |
| 8    | 4118326   | • Plug, NWD-4                     | 1    | 12962                    |
| 9    | 008012470 | • Plug, NWD-6                     | 2    | 12963                    |

REAR WHEEL VALVE 4 WD REVERSE (HYDRAFORCE)

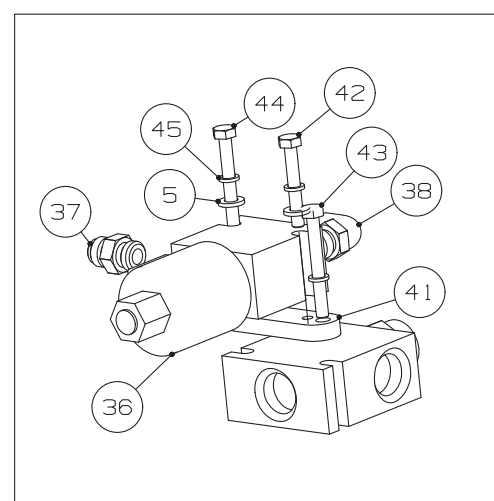
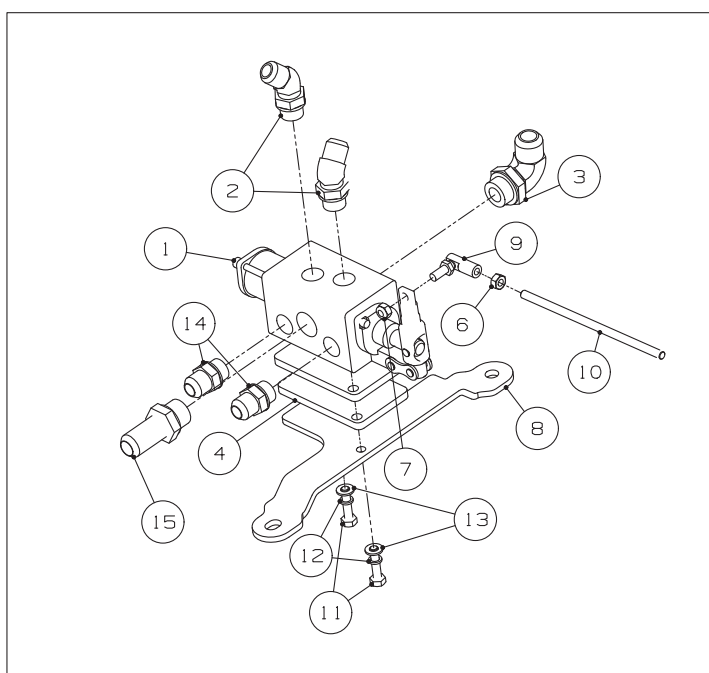
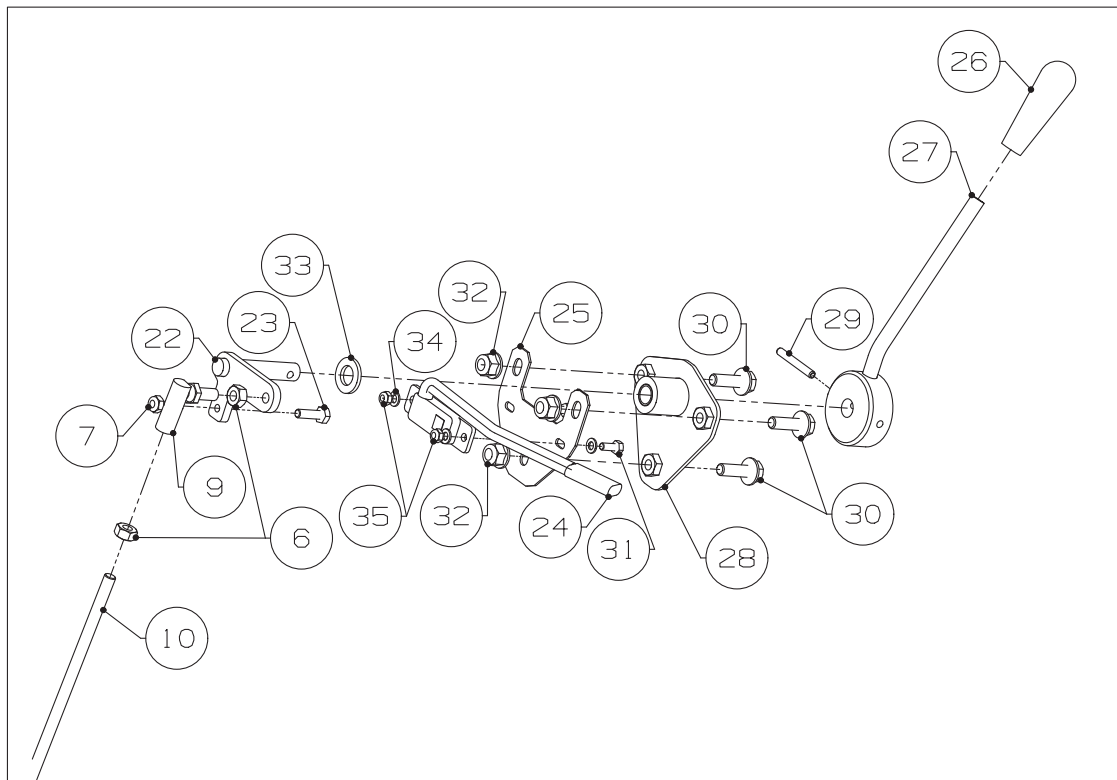


CIRCUIT DIAGRAM



| ITEM | PART NO.  | DESCRIPTION            | QTY. | REMARKS            |
|------|-----------|------------------------|------|--------------------|
| 1    | 008012690 | Rear Wheel Drive Valve | 2    |                    |
|      | 4150761   | • Solenoid Valve Assy  | 1    |                    |
| 2    | 4158043   | • • Solenoid Valve     | 1    | Including Coil     |
| 3    | 008012230 | • • • Coil             | 1    |                    |
|      | 008089943 | • • Check Valve        | 1    |                    |
|      | 4122021   | • Seal Kit             | 1    | for complete valve |
| 4    | MBG6823   | Valve Plate            | 2    |                    |
| 5    | 450006    | Bolt M6 x 55           | 4    |                    |
| 6    | 450323    | Nut M6                 | 4    |                    |
| 7    | 450389    | Washer M6              | 8    |                    |

SINGLE UNIT CUTTING VALVES & LINKAGE



| ITEM | PART NO.  | DESCRIPTION                  | QTY. | REMARKS       |
|------|-----------|------------------------------|------|---------------|
| 1    | A902816   | MOTOR CHANGEOVER VALVE       | 1    |               |
| 2    | 4177139   | FTG-45-1/2BSP x 1 ORFS       | 2    |               |
| 3    | 4177125   | 90-M/M 3/4 BSP x 1-3/16 ORFS | 1    |               |
| 4    | MBG6693   | VALVE SPACER                 | 2    |               |
| 5    | 450389    | WSHR-M6 x 12.5 x 1.8         | 3    |               |
| 6    | 450324    | NUT-HEX M8                   | 3    |               |
| 7    | 450377    | NUT-HEX M6 NYLOC             | 2    |               |
| 8    | MBG6738   | VALVE BRACKET                | 1    |               |
| 9    | A814537   | M8 BALL JOINT                | 2    |               |
| 10   | MBG6675   | ROD M8 THREADED ENDS         | 1    |               |
| 11   | 450194    | SCRW-HEX M8 x 35             | 2    |               |
| 12   | 450411    | LOCKWSHR-M8 x 12.75 x 2      | 2    |               |
| 13   | 450390    | WSHR-M8 x 17 x 1.8           | 2    |               |
| 14   | 4163528   | STRAIGHT CONNECTOR           | 2    |               |
| 15   | 4177137   | FTG-3/4BSPx13/16 ORFS        | 1    |               |
| 22   | MBF2261   | ACTUATOR ASSY                | 1    |               |
| 23   | 450171    | SCRW-HEX M6 x 20             | 1    |               |
| 24   | J3007392  | SWITCH-PROXIMITY             | 1    |               |
| 25   | MBG6658   | SWITCH BRACKET               | 1    |               |
| 26   | A299022   | KNOB                         | 1    |               |
| 27   | MBF2240   | LEVER ASSY                   | 1    |               |
| 28   | MBF2237   | LEVER BOSS ASSY              | 1    |               |
| 29   | 451441    | PIN-SPIROL 5 x 40            | 1    |               |
| 30   | 450472    | SCRW-HEX M8 x 25             | 3    |               |
| 31   | 450149    | SCRW-HEX M5 x 12             | 2    |               |
| 32   | 452436    | NUT-HEX M8 FLNG              | 3    |               |
| 33   | A186902   | WSHR-12x17x1.5               | AR   |               |
| 34   | 450388    | WSHR-M5 x 10 x 1.1           | 4    |               |
| 35   | 450376    | NUT-HEX M5 NYLOC             | 2    |               |
| 36   | A902818   | SOLONOID VALVE               | 1    |               |
| 37   | 41777142  | ADAPTOR-3/8 BSP X 11/16 ORFS | 1    |               |
| 38   | 002590240 | 90-M/M 3/8 BSPP x 11/16 ORFS | 1    |               |
| 41   | MBG6661   | BOLT STRAP                   | 1    | USED ITEM 36. |
| 42   | 450003    | BOLT-M6x40 HEX               | 1    | USED ITEM 41. |
| 43   | 450006    | BOLT-M6x55 HEX               | 1    | USED ITEM 41. |
| 44   | 450013    | BOLT-M6x90 HEX               | 1    | USED ITEM 41. |
| 45   | 450410    | S.L. WASHER-M6x9.6           | 3    | USED ITEM 41. |

RANSOMES COMMANDER 3520

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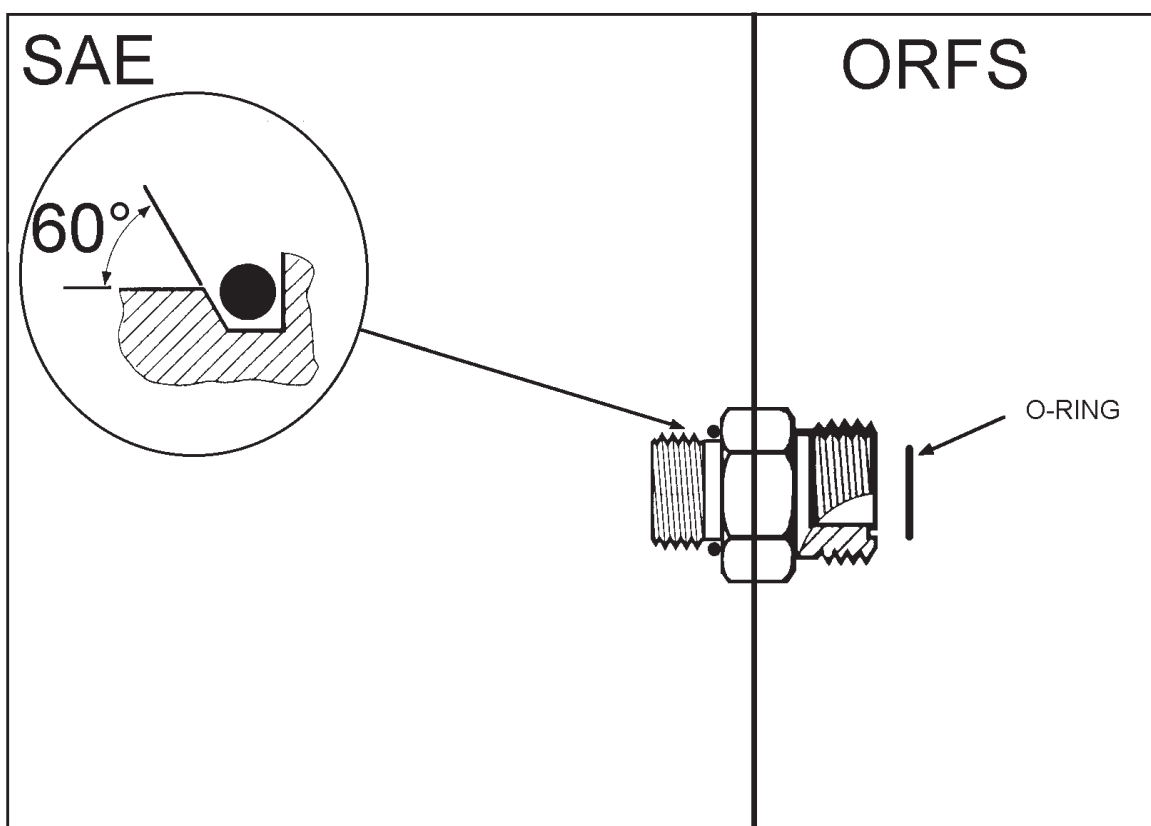
SEALS, CLIPS AND TIES

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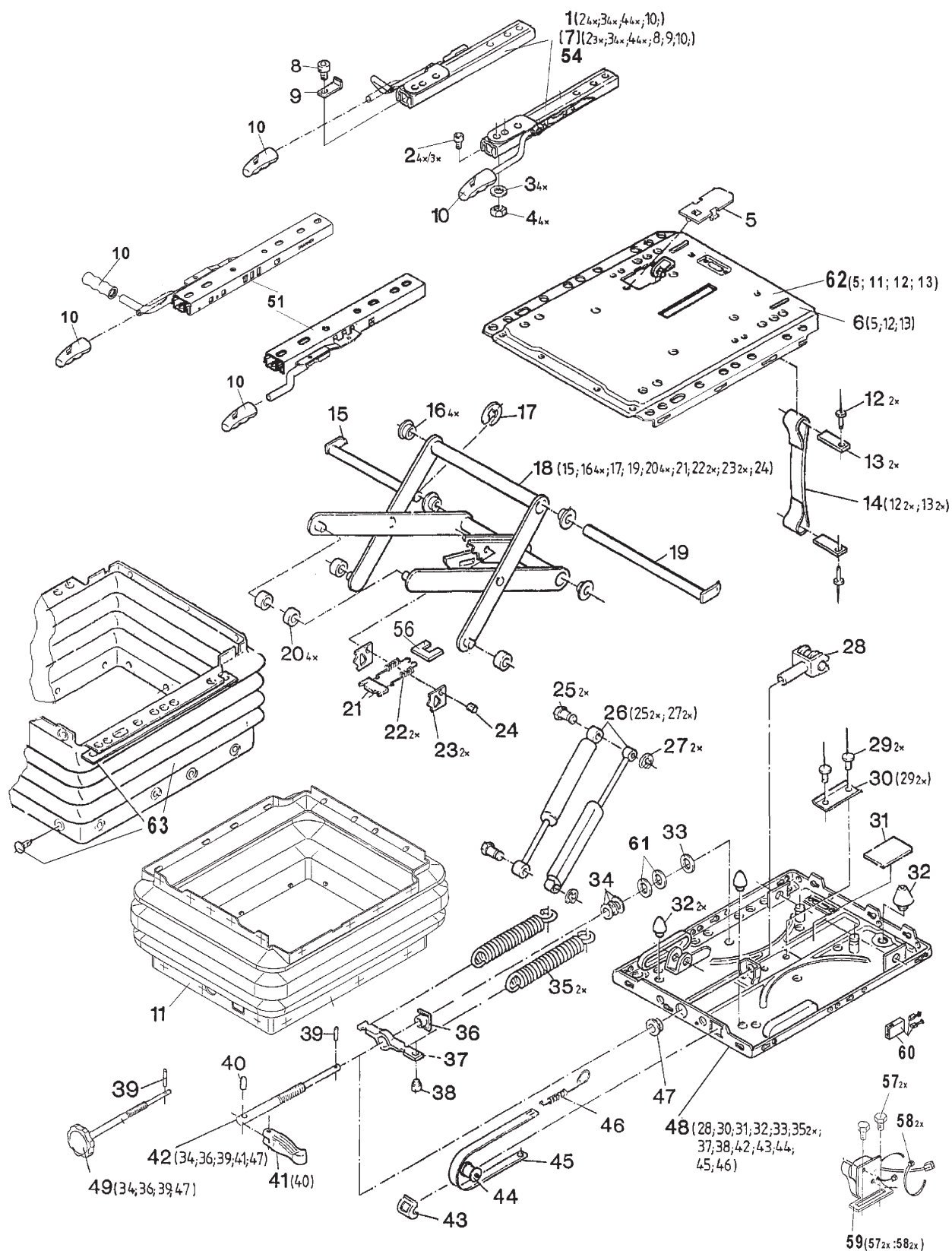
| ITEM | PART NO.  | DESCRIPTION   | QTY. | REMARKS |
|------|---|---|------|---------|
|      |   | All hydraulic hose assemblies, tube assemblies & hose tube assemblies have there part numbers either stamped on the sleeve, tube or on a tag. |      |         |
|      | <b>Bonded Seals</b>                                     |   |      |         |
|      | <b>Seal</b>   | <b>Fitting Size</b>   |      |         |
|      | H014008   | 1/8 BSP   |      |         |
|      | H014011   | 1/4 BSP   |      |         |
|      | H014013   | 3/8 BSP   |      |         |
|      | H014016   | 1/2 BSP   |      |         |
|      | H014017   | 5/8 BSP   |      |         |
|      | H014019   | 3/4 BSP   |      |         |
|      | H014022   | 7/8 BSP   |      |         |
|      | H014024   | 1 BSP   |      |         |
|      | <b>O Ring Seal<br/>c/w Steel<br/>Support<br/>Washer</b> |   |      |         |
|      | <b>Seal</b>   | <b>Fitting Size</b>   |      |         |
|      | A229975   | 1/8 BSP   |      |         |
|      | A229976   | 1/4 BSP   |      |         |
|      | A229977   | 3/8 BSP   |      |         |
|      | A229978   | 1/2 BSP   |      |         |
|      | A229979   | 5/8 BSP   |      |         |
|      | A229980   | 3/4 BSP   |      |         |
|      | A229981   | 7/8 BSP   |      |         |
|      | A229982   | 1 BSP   |      |         |
|      | A229983   | 1 1/8 BSP   |      |         |
|      | A229984   | 1 1/4 BSP   |      |         |

## FITTING TYPES



| ITEM | PART NO.           | DESCRIPTION   | QTY. | REMARKS            |
|------|--------------------|---|------|--------------------|
|      |                    | All hydraulic hose assemblies, tube assemblies & hose tube assemblies have there part numbers either stamped on the sleeve, tube or on a tag. |      |                    |
|      | <b>ORING ORF</b>   |   |      |                    |
|      | <b>O RING</b>      | <b>FITTING SIZE</b>   |      |                    |
|      | 158061-01          | 11/16UNF  |      |                    |
|      | 158061-02          | 13/16UNF  |      |                    |
|      | 158061-08          | 1UNF  |      |                    |
|      | 158061-09          | 1-3/16UNF   |      |                    |
|      | 158061-15          | 1-11/16UNF  |      |                    |
|      | 158061-18          | 9/16 UNF  |      |                    |
|      | 158061-19          | 1-7/16UNF   |      |                    |
|      | <b>O RINGS SAE</b> |   |      |                    |
|      | <b>O RING</b>      | <b>FITTING SIZE</b>   |      |                    |
|      | A221803            | 3/8UNF  |      |                    |
|      | A221804            | 7/16UNF   |      |                    |
|      | A221806            | 9/16UNF   |      |                    |
|      | A221808            | 3/4 UNF   |      |                    |
|      | A221810            | 7/8'UNF   |      |                    |
|      | A221812            | 1-1/16UNF   |      |                    |
|      | A221814            | 1-5/6UNF  |      |                    |
|      | <b>Clip</b>        | <b>Hose Clips<br/>Size</b>  |      |                    |
|      | A192516            | 6-16  |      |                    |
|      | A192532            | 13-32   |      |                    |
|      | A192557            | 34-57   |      |                    |
|      | A192552            | 8-32  |      |                    |
|      | A192540            | 19-40   |      |                    |
|      | 108094-06          | Clamp-Hose SAE10  | 2    |                    |
|      | 379050530          | Plastic Spring Guard<br>Plastic Spring Guard  | AR   | Order by the Metre |
|      | 002989370          | Hose Sleeving<br>Small  | AR   | Order by the Metre |
|      | 002984016          | Large   | AR   | Order by the Metre |

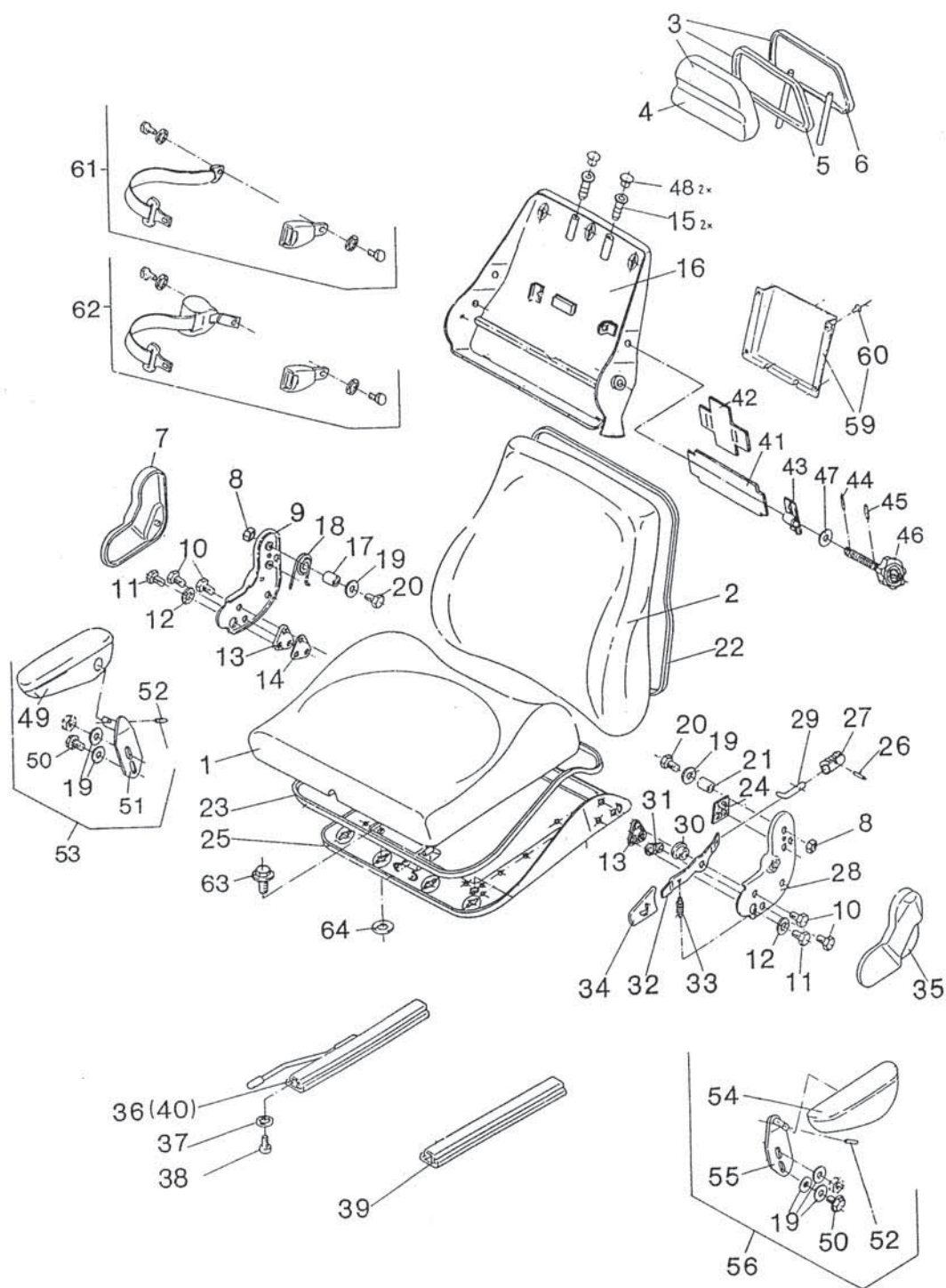
SEAT GRAMMER MSG 85 SEAT (4137966) - SUSPENSION



| ITEM | PART NO.  | DESCRIPTION             | QTY. | REMARKS |
|------|-----------|-------------------------|------|---------|
| 5    | 008173680 | Cover                   | 1    |         |
| 6    |           | Kit, Suspension Upper   | 1    |         |
| 11   |           | Kit, Bellow             | 1    |         |
| 15   | 008173790 | Bolt                    | 1    |         |
| 16   | 008173800 | Bushing                 | 4    |         |
| 18   | 008199900 | Swing Arm Kit           | 1    |         |
| 19   |           | Bolt                    | 1    |         |
| 20   | 008173780 | Roller                  | 4    |         |
| 21   | 008173820 | Plate                   | 1    |         |
| 22   |           | Tension Spring          | 2    |         |
| 23   | 008173830 | Release Plate           | 2    |         |
| 24   | 008173840 | Bolt                    | 1    |         |
| 25   | 008173710 | Bolt, M8 x 22, Yellow   | 2    |         |
| 26   | 008199680 | Kit, Shock Absorber, S  | 1    |         |
| 27   | 008173720 | Washer, Retaining, 5 mm | 2    |         |
| 28   |           | Fork                    | 1    |         |
| 29   | 008173740 | Rivet, 4.0 x 10.0       | 2    |         |
| 30   |           | Bracket, U-Shaped Pro   | 1    |         |
| 31   | 008173760 | Rubber Plate            | 1    |         |
| 32   | 008173730 | Bumper Set              | 1    |         |
| 33   | 008173870 | Thrust Washer Kit       | 1    |         |
| 35   | 008144410 | Spring, Tension         | 2    |         |
| 36   | 008173880 | Nut, M12, Flange        | 1    |         |
| 37   | 008173910 | Spring Bracket          | 1    |         |
| 38   | 008173930 | Plug, Retainer          | 1    |         |
| 39   |           | Pin, 3.0 x 16           | 1    |         |
| 40   |           | Pin, 4 x 28             | 1    |         |
| 41   |           | Handle (Toggle)         | 1    |         |
| 42   |           | Adjustment Spindle      | 1    |         |
| 43   | 008173950 | Guide                   | 1    |         |
| 44   | 008193960 | Roller                  | 1    |         |
| 45   | 008193920 | Band, Weight, 130 kg    | 1    |         |
| 46   | 008173940 | Tension Spring          | 1    |         |
| 47   |           | Bushing                 | 1    |         |
| 52   |           | Suspension Lower Par    | 1    |         |
| 53   |           | Fixing Parts            | 1    |         |
| 55   |           | Suspension MSG85        | 1    |         |
| 57   |           | Screw, M6 x 12          | 2    |         |
| 58   |           | Ties, Cable, 2.5 x 102  | 2    |         |
| 59   |           | Switch                  | 1    |         |
| 60   | 008174000 | Connector, Electrical   | 1    |         |



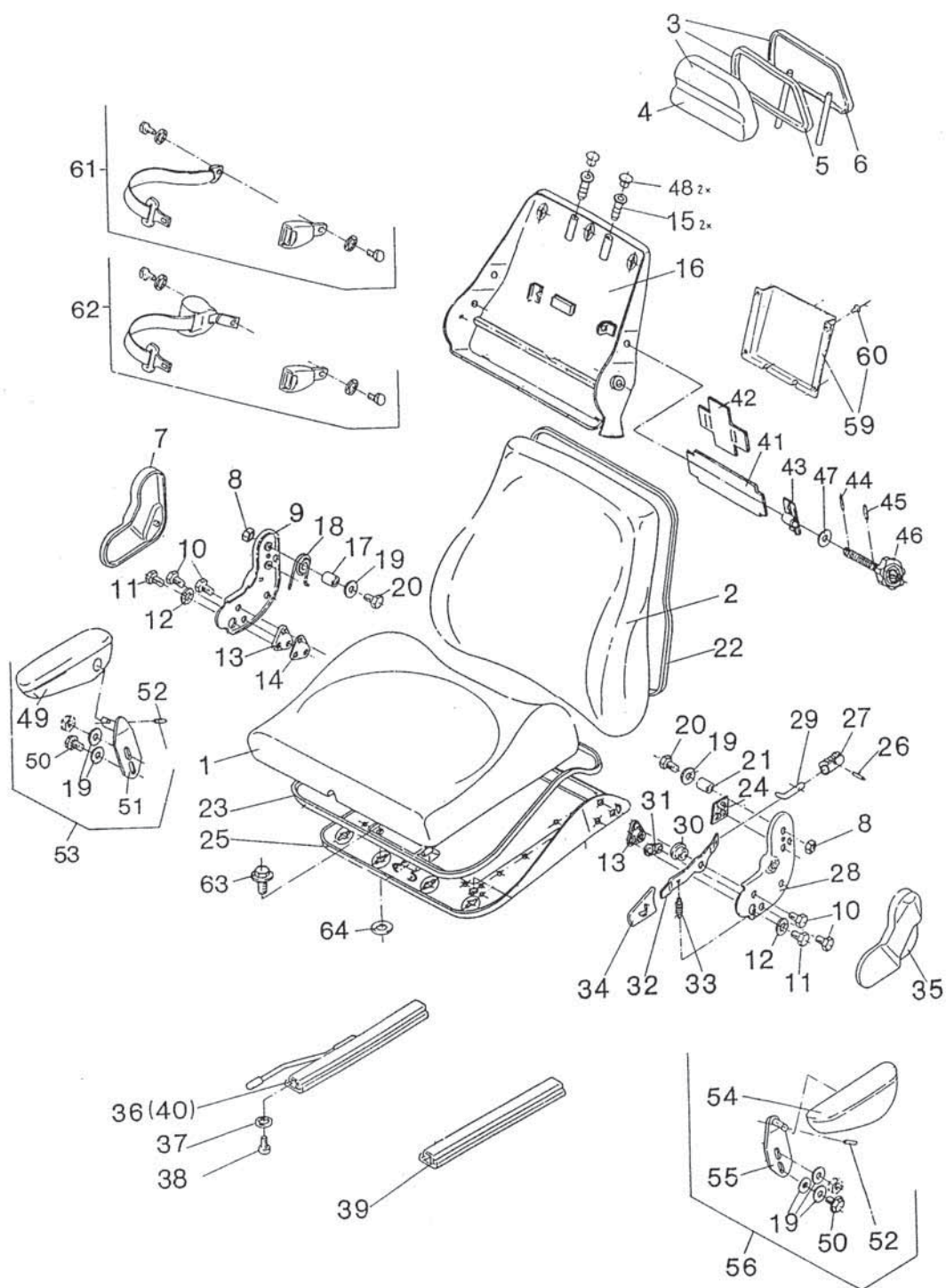
| ITEM | PART NO. | DESCRIPTION                  | QTY. | REMARKS      |
|------|----------|------------------------------|------|--------------|
| 1    | 113048   | Assy, Cushion, Backrest      | 1    |              |
| 2    |          | Assy, Cushion, Seat          | 1    |              |
| 3    |          | Screw, M5 x 25, Pan Hd       | 7    |              |
| 4    |          | Seat Pan                     | 1    |              |
| 5    |          | Backrest Pan Kit             | 1    |              |
| 7    |          | Tube                         | 2    |              |
| 8    |          | Backrest Extension           | 1    |              |
| 22   |          | Tube                         | 2    |              |
| 23   |          | Screw, M8-1.25 x 40          | 2    |              |
| 24   |          | Rivet, 6 x 12                | 1    |              |
| 25   |          | Nut, Hex, M8-1.25            | 6    |              |
| 26   |          | Nut, Hex, M8-1.25            | 2    |              |
| 27   |          | Lever                        | 1    |              |
| 28   |          | Handle, Grey                 | 1    |              |
| 29   |          | Cover, LH, Blk               | 1    |              |
| 33   |          | Cover, RH, Blk               | 1    |              |
| 34   |          | Screw M8 x 16                | 4    |              |
| 35   |          | Set of Adjustment Rails      | 1    |              |
| 36   |          | Nut, Hex M8-1.25             | 4    |              |
| 37   |          | Washer, Flat, M8             | 11   |              |
| 38   |          | Washer 8.4-Hv140             | 6    |              |
| 39   |          | Kit, Seatbelt, 2 Retractable | 1    |              |
| 40   |          | Seatbelt, 2 Non-retractable  | 1    |              |
| 42   |          | Spring, Spiral               | 1    |              |
| 44   |          | Stop                         | 1    |              |
| 46   |          | Bearing Kit                  | 1    |              |
| 48   |          | Spring, Leg, Backrest        | 1    |              |
| 49   |          | Set of Adjustment Rails      | 1    |              |
| 54   |          | Screw, M8 x 16, Hex Socket   | 4    |              |
| 67   |          | Literature Box               | 1    | One supplied |
| *    |          | Literature Holder (net)      | 1    |              |
| 68   |          | Blind Rivet 3.2 x 11.2       | 5    |              |
| 69   |          | Ball                         | 5    |              |
| 88   | 4188242  | Armrest                      | 1    |              |
| 89   | 4188244  | Armrest                      | 1    |              |





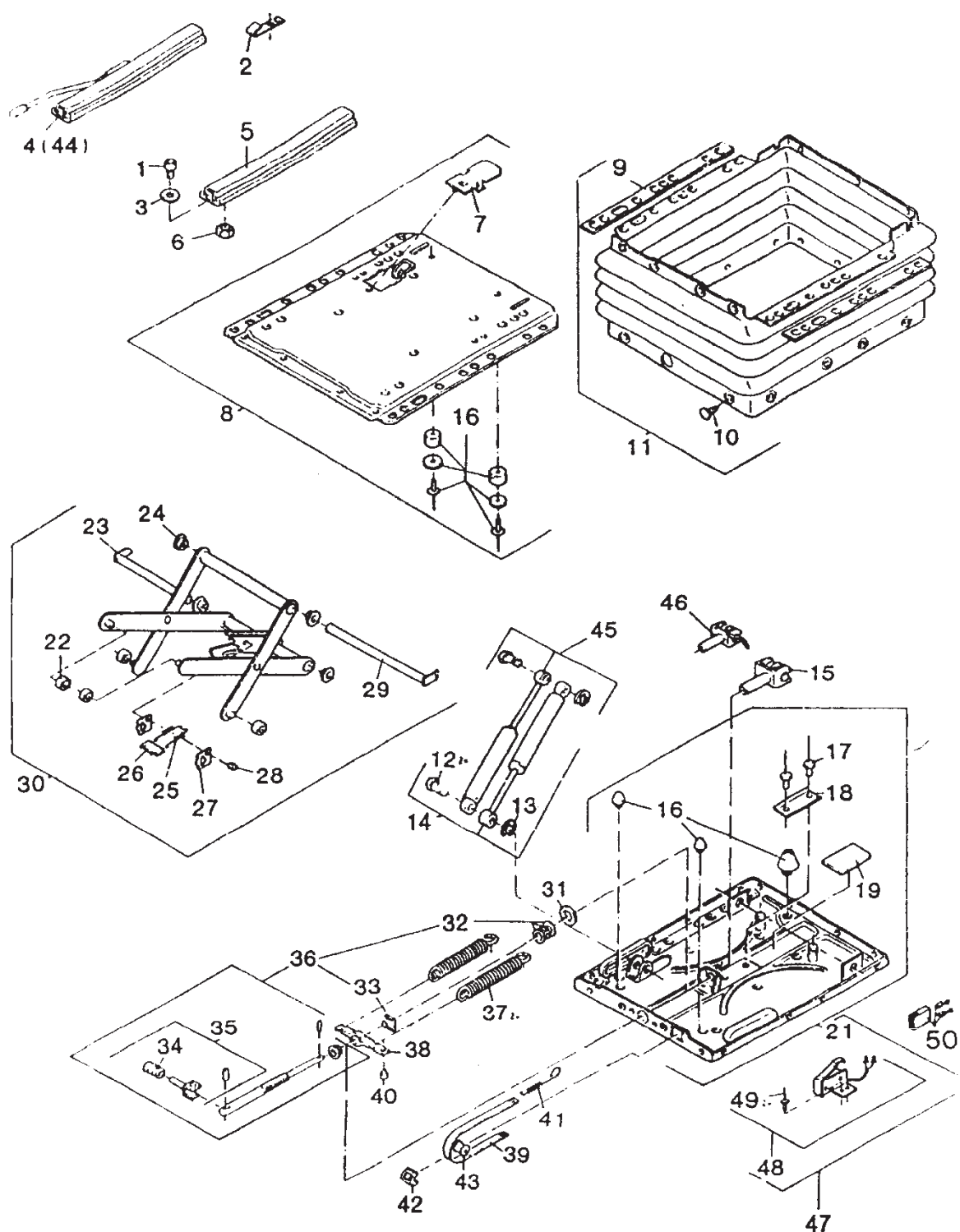
| ITEM | PART NO. | DESCRIPTION        | QTY. | REMARKS              |
|------|----------|--------------------|------|----------------------|
|      | A819940  | SEAT ASSY COMPLETE | 1    | INCLUDING SUSPENSION |
| 1    | A819945  | SEAT CUSHION       | 1    |                      |
| 2    | A819946  | BACK REST CUSHION  | 1    |                      |
| 3    | A819956  | HEAD REST ASSY.    | 1    |                      |
| 4    | A819947  | HEAD REST CUSHION  | 1    |                      |
| 5    | A817352  | EDGE STRIP         | 1    |                      |
| 6    | N/A      | HEAD REST FRAME    | 1    |                      |
| 7    | A819961  | COVER RH           | 1    |                      |
| 8    | A817337  | NUT                | 2    |                      |
| 9    | A817338  | MOUNTING RH        | 1    |                      |
| 10   | A817339  | SCREW              | 4    |                      |
| 11   | A817340  | SCREW              | 2    |                      |
| 12   | A817341  | SP WASHER          | 2    |                      |
| 13   | A817342  | DISTANCE PLATE     | 2    |                      |
| 14   | A817343  | DISTANCE PLATE     | 1    |                      |
| 15   | A817344  | BUSH               | 2    |                      |
| 16   | A819969  | BACK PLATE         | 1    |                      |
| 17   | A817345  | TUBE               | 1    |                      |
| 18   | A817346  | SPRING             | 1    |                      |
| 19   | A817347  | WASHER             | 2    |                      |
| 20   | A817348  | SCREW              | 2    |                      |
| 21   | A817349  | TUBE               | 1    |                      |
| 22   | A817350  | EDGE STRIP         | 1    |                      |
| 23   | A817351  | EDGE STRIP         | 1    |                      |
| 24   | A817353  | DISTANCE PIECE     | 1    |                      |
| 25   | A817354  | SEAT PLATE         | 1    |                      |
| 26   | A819965  | PIN                | 1    |                      |
| 27   | A819966  | DETENT             | 1    |                      |
| 28   | A817355  | MOUNTING LH        | 1    |                      |
| 29   | A819967  | ROD                | 1    |                      |
| 30   | A817356  | BUSH               | 1    |                      |
| 31   | A817357  | DISTANCE PIECE     | 1    |                      |
| 32   | A817335  | LEVER              | 1    |                      |
| 33   | A817336  | SPRING             | 1    |                      |
| 34   | A819988  | HANDLE             | 1    |                      |
| 35   | A817358  | COVER LH           | 1    |                      |
| 36   | A819964  | RAIL WITH LEVER    | 1    |                      |
| 37   | A817359  | WASHER             | 4    |                      |
| 38   | A817360  | SCREW              | 4    |                      |
| 39   | A819975  | RAIL               | 1    |                      |
| 41   | A817361  | PLATE              | 1    |                      |
| 42   | A817362  | PLATE              | 1    |                      |
| 43   | A819970  | NUT                | 1    |                      |
| 44   | A819971  | PIN                | 1    |                      |

SEAT BREAKDOWN



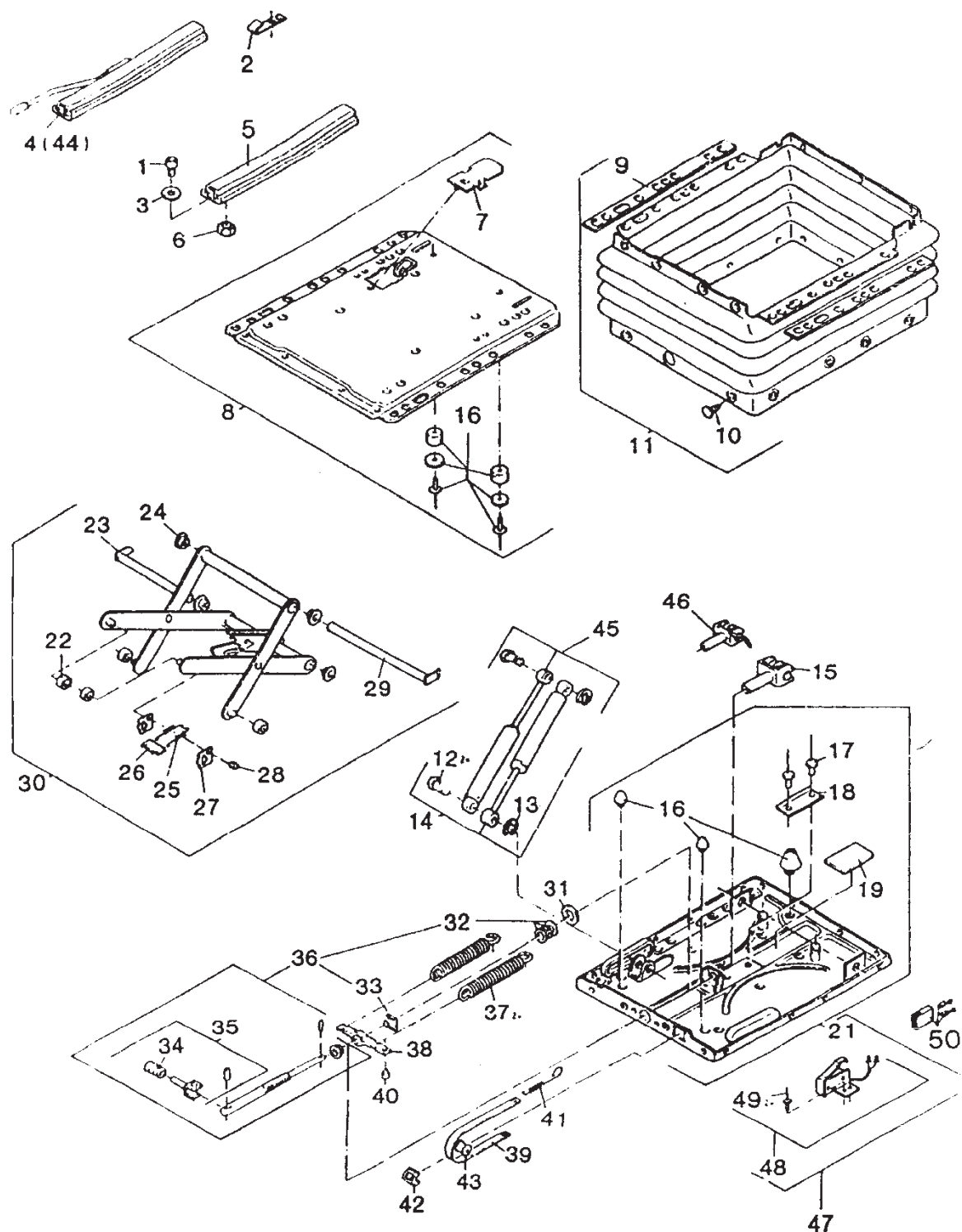
| ITEM | PART NO. | DESCRIPTION       | QTY. | REMARKS |
|------|----------|-------------------|------|---------|
| 45   | A819972  | PIN               | 1    |         |
| 46   | A819973  | ADJUSTING SPINDLE | 1    |         |
| 47   | A819974  | WASHER            | 1    |         |
| 48   | N/A      | PLUG              | 2    |         |
| 49   | A819955  | ARM REST RH       | 1    |         |
| 50   | N/A      | SCREW             | 2    |         |
| 51   | N/A      | SUPPORT RH        | 1    |         |
| 52   | N/A      | PIN               | 2    |         |
| 53   | A819985  | ARM REST ASSY. RH | 1    |         |
| 54   | A817363  | ARM REST LH       | 1    |         |
| 55   | N/A      | SUPPORT LH        | 1    |         |
| 56   | A819986  | ARM REST ASSY. LH | 1    |         |
| 59   | N/A      | COVER ASSY        | 1    |         |
| 60   | N/A      | SCREW             | 1    |         |
| 61   | N/A      | SEAT BELT FIXED   | 1    |         |
| 62   | N/A      | SEAT BELT REEL    | 1    |         |
| 63   | N/A      | SCREW             |      |         |
| 64   | N/A      | WASHER            |      |         |

SEAT SUSPENSION BREAKDOWN DS85H



| ITEM | PART NO. | DESCRIPTION      | QTY. | REMARKS |
|------|----------|------------------|------|---------|
| 1    | A817364  | SCREW            | 6    |         |
| 2    | A817365  | STOP             | 1    |         |
| 3    | A817366  | WASHER           | 2    |         |
| 4    | A819964  | SLIDE WITH LEVER | 1    |         |
| 5    | A819975  | SLIDE            | 1    |         |
| 6    | A817367  | NUT              | 6    |         |
| 7    | A817368  | COVER            | 1    |         |
| 8    | A817369  | BASE ASSY.       | 1    |         |
| 9    | A817370  | PLATE            | 2    |         |
| 10   | A819979  | PIN              | 21   |         |
| 11   | A819984  | GAITER ASSY.     | 1    |         |
| 12   | A817371  | PIN              | 2    |         |
| 13   | A817372  | E CLIP           | 2    |         |
| 14   | A819968  | DAMPER ASSY      | 1    |         |
| 16   | A817373  | BUFFER ASSY.     | 1    |         |
| 17   | A817374  | RIVET            | 2    |         |
| 18   | A817375  | RUNNER           | 1    |         |
| 19   | A817376  | PLATE            | 1    |         |
| 20   | A817377  | SUSPENSION ASSY. | 1    |         |
| 22   | A817378  | ROLLER           | 4    |         |
| 23   | A817379  | PIN              | 1    |         |
| 24   | A817380  | BUSH             | 4    |         |
| 25   | A817381  | SPRING           | 2    |         |
| 26   | A817382  | PLATE            | 1    |         |
| 27   | A817383  | PLATE            | 2    |         |
| 28   | A817384  | BOLT             | 1    |         |
| 29   | A817385  | PIN              | 1    |         |
| 30   | A819990  | HINGE            | 1    |         |
| 31   | A817386  | WASHER           | 1    |         |
| 32   | A817387  | BEARING          | 1    |         |
| 33   | A817388  | NUT              | 1    |         |
| 34   | A817389  | HANDLE           | 1    |         |
| 35   | A817390  | LEVER ASSY.      | 1    |         |
| 36   | A819992  | WEIGHT ADJUSTER  | 1    |         |
| 37   | A819941  | SPRING           | 2    |         |
| 38   | A817391  | SPRING HOOK      | 1    |         |
| 39   | A817392  | WEIGHT INDICATOR | 1    |         |
| 40   | A817393  | STOP             | 1    |         |
| 41   | A817394  | SPRING           | 1    |         |
| 42   | A817395  | WINDOW           | 1    |         |
| 43   | A817396  | ROLLER           | 1    |         |
| 46   | A817397  | FORK             | 1    |         |
| 47   | A817398  | SPRING FRAME     | 1    |         |
| 48   | A905448  | MICROSWITCH      | 1    |         |

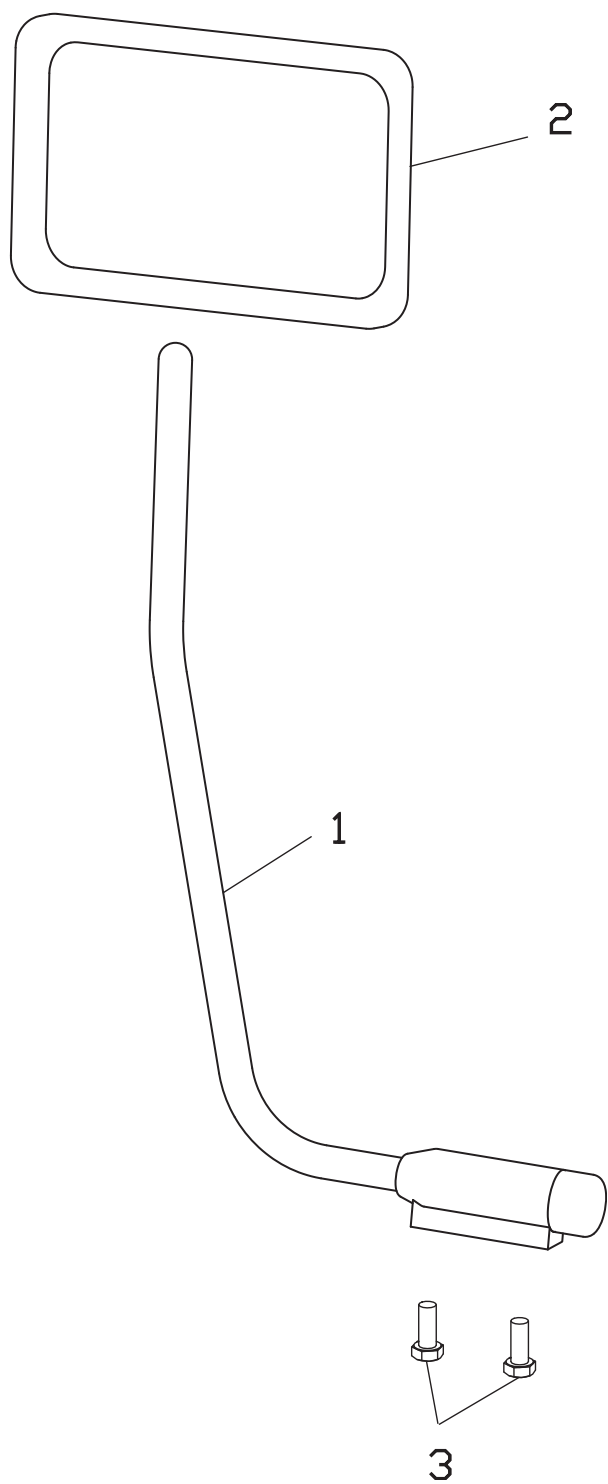
SEAT SUSPENSION BREAKDOWN DS85H



| ITEM | PART NO. | DESCRIPTION | QTY. | REMARKS |
|------|----------|-------------|------|---------|
| 49   | A817399  | SCREW       | 2    |         |
| 50   | A817400  | CONNECTOR   | 1    |         |

MIRRORS

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| ITEM | PART NO. | DESCRIPTION | QTY. | REMARKS |
|------|----------|-------------|------|---------|
|      |          |             |      |         |







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